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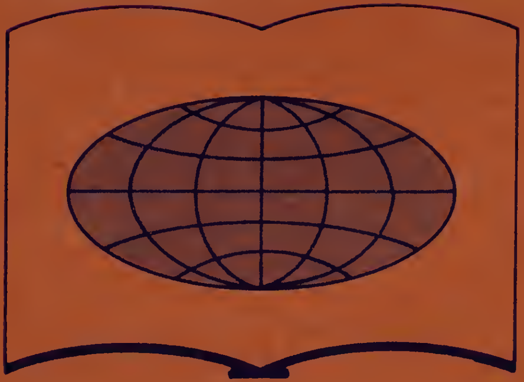

Volume 5 Numbers 9–12
June 6, 1969

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PESTICIDES DOCUMENTATION BULLETIN

Volume 5
June 6, 1969
Numbers 9-12

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The *Pesticides Documentation Bulletin* is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

10	Entomology
20	Crop Protection
30	Livestock Protection
40	Commodity Protection
50	Environmental Contamination
55	Residues
60	Toxicology
65	Plant Physiology & Biochemistry
70	Chemistry
80	Engineering
90	Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

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In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested
Company furnishing the compound
Author or Investigator
Test Sponsor
Date
Location
Mode of Application
Rates of Application
Soil Types
Carriers
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ACKNOWLEDGMENT

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Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

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This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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TABLE OF CONTENTS

BIBLIOGRAPHY (Citations)

Page

10 ENTOMOLOGY 1
  Systematics 1
  Physiology and Biochemistry 9
  Genetics 30
  Medical Entomology 32

20 CROP PROTECTION 34
  Diseases 37
  Arthropods 49
  Nematodes 55
  Weeds 56
  Other Pests 60

30 LIVESTOCK PROTECTION 60
  Diseases 62
  Arthropods 80
  Parasites 81

40 COMMODITY PROTECTION 85
  Storage Diseases 85
  Arthropods 85
  Rodents and Other Pests 86
  Microbial Contamination 86

50 ENVIRONMENTAL CONTAMINATION 87

55 RESIDUES 88

60 TOXICOLOGY 90

65 PLANT PHYSIOLOGY & BIOCHEMISTRY 93

70 CHEMISTRY 98

80 ENGINEERING 100

90 INDUSTRY 101
  Economics 101
  Education 102
  Regulations 102

SUBJECT INDEX 103

BIOGRAPHICAL INDEX 315

AUTHOR INDEX 345

ORGANIZATIONAL INDEX 357

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*This issue does not contain citations under this category.

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V I Miles
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01 Jun 1968 420 M923
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J Deleve
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J Dlabola
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1963 420 C33
Cicadellidae, Insect identification, Insect taxonomy, Zoogeography. Czech summary.

The following species are discussed: M. dispar, M. parvus, M. punicus, M. sahlbergi, M. ioculator, M. vallaris, M. calaber, M. involutus, and M. valiturus.

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J Dlabola
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Insect identification, Insect taxonomy, Philodromus, Spiders, Thomisidae, Zoogeography.

5021-69
A NEW TINGID FROM PAKISTAN (HEMIPTERA).
C J Drake J Maldonado Capriles
Brooklyn Entomol Soc Bull 54(1):25-26
Feb 1959 420 B79
Insect anatomy, Insect taxonomy, Tingidae.

5022-69
TWO NOCTUIDAE NEW FOR THE FAUNA OF BELGIUM. (FR)
C Dufay
Lambillionea 66(9/10):65-67
05 Sep 1967 420 N15
Insect identification, Insect taxonomy, Noctuidae, Zoogeography.

5023-69
NOTES ON THE GENUS ELYMANA DELONG (HOMOPTERA CICADELLIDAE).
I Dworakowska
Polska Akad Nauk Bull Ser Sci Biol 16(4):233-238
1968 512 W262
Cicadellidae, Homoptera, Insect identification, Insect taxonomy. The species of Elymana described are: bambusae, sulphurella, kozhevnikovi and pallidipennis.

5024-69
SOME TYPHLOCYBINAE (HOMOPTERA, CICADELLIDAE) FROM MONGOLIA WITH DESCRIPTION OF A NEW SPECIES AND A NEW SUBSPECIES.
I Dworakowska
Polska Akad Nauk Bull Ser Sci Biol 16(6):365-371
1968 512 W262
Cicadellidae, Insect taxonomy.

5025-69
SOME OBSERVATIONS ON THE CHAETOTAXY OF THE LEGS OF LARVAL IXODIDAE (ACARI: METASTIGMATA).
M A Edwards G O Evans
Ann Mag Natur Hist 1(4,OCT-DEC):595-601
Dec 1967 410 AN77
Host relationships, Insect taxonomy, Ixodidae, Larvae, Legs.

5026-69
THE PHENETIC RELATIONSHIPS OF THE BUTTERFLIES. I. ADULT TAXONOMY AND THE NONSPECIFICITY HYPOTHESIS.
P R Ehrlich A H Ehrlich
Syst Zool 16(4):301-317 REF
Dec 1967 410 SY8
Insect taxonomy, Lepidoptera, Methodology, Statistical analysis.

5027-69
FLUKEA VOCKEROTHI, A NEW GENUS AND NEW SPECIES OF CHILEAN SYRPHIDAE (DIPTERA). (SP)
M Etcheverry
Chile Univ Centro Estud Entomol Publ (8):1-22
1966 420 C432
Illustrations, Insect identification, Insect taxonomy, Syrphidae. English summary.

5028-69
MALAYOGLYPHUS INTERMEDIUS N. G., N. SP., A NEW MITE FROM HOUSE DUST IN SINGAPORE AND DJAKARTA (PYROGLYPHIDAE: SARCOPTIFORMES).
A Fain A M Cunnington F Th M Spieksma
Acarologia 11(1):121-126
Jan 1969 434.8 AC1
Habitats, Insect taxonomy, Mites, Sarcoptiformes, Zoogeography.

5029-69
EPIMYODEX TALPAE N. G., N. SP., A SUB-CUTANEOUS PARASITE OF THE MOLE IN BELGIUM (DEMODICIDAE: TROMBIDIFORMES). (FR)
A Fain S Orts
Acarologia 11(1):65-68
Jan 1969 434.8 AC1
Demodecidae, Epimyodex talpae, Insect taxonomy, Mites, Moles, Parasitic insects, Trombidiformes.

5030-69
MITES COLLECTED FROM DOUGLAS-FIR FOLIAGE IN MONTANA.
D G Fellin
J Econ Entomol 61(3):877-878
Jun 1968 421 J822
Choristoneura fumiferana, DDT, Insect collecting equipment, Insect pests, Oligonychus ununguis, Pseudotsuga menziesii.

5031-69
CHIRONOMUS STRENZKEIN. SP. (CHIRONOMIDAE, DIPT), A NEW LABORATORY ANIMAL. (GE)
E J Fittkau
Z Morphol Okolog Tiere 63(3):239-250
1968 442.8 Z33
Chironomidae, Chironomus strenzkei, Insect biology, Insect rearing, Insect taxonomy, Laboratory animals, Zoogeography. English summary.

5032-69
THE IMMATURE STAGES OF LYPE DIVERSA (BANKS) (TRICHOPTERA, PSYCHOMYIIDAE).
O S Flint
Brooklyn Entomol Soc Bull 54(2):44-47
Apr 1959 420 B79
Insect anatomy, Insect taxonomy, Larvae, Lype, Pupae, Trichoptera.

5033-69
A TECHNIQUE FOR SAMPLING POPULATIONS OF THE JACK-PINE BUDWORM.
J L Foltz F B Knight D C Allen W J Mattson
Forest Sci 14(3):277-281
Sep 1968 99.8 F7632
Choristoneura pinus, Demography, Methodology, Pinus banksiana, Sampling (statistics).

5034-69
CONTRIBUTION TO THE FAUNA OF THE CONGO (BRAZZAVILLE). MISSION A. VILLIERS AND A. DESCARPENTRIES. LXXVIII. LEPIDOPTERA: NYMPHALIDAE, DANAIDAE AND RIODINIDAE. (FR)
R M Fox
Inst Fondamental Afr Noire Bull Ser A Sci Natur 30(3):1236-1280 REF
Jul 1968 515 D14
Danaidae, Insect taxonomy, Lepidoptera, Nymphalidae, Riodinidae, Zoogeography.

5035-69
THE GENUS PLECTRIS (PHILOCHLAENIA) (COLEOPTERAMELOLONTHINAE). (GE)
E Frey
Munich Mus G Frey Entomol Arb 18:1-136
01 Jul 1967 420 M923
Insect taxonomy, Scarabaeidae, Zoogeography.

5036-69
NEW MELOLONTHIDS (COL.). (GE)
G Frey
Munich Mus G Frey Entomol Arb 18:419-424
01 Jul 1967 420 M923
Catalogs, Coleoptera, Insect taxonomy, Scarabaeidae, Zoogeography.

5037-69
A KEY TO ALL STAGES OF THE BRITISH SPECIES OF THE FAMILY NEOBISIIDAE (PSEUDOSCORPIONES: DIPLOSPHYRONIDA).
P D Gabbutt
Ann Mag Natur Hist 3(2,APR-JUN):183-195 REF
Jun 1969 410 AN77
Adults, Catalogs, Insect taxonomy, Larvae, Neobisiidae, Nymphs.

5038-69
A NEW SPECIES OF LESTINOGOMPHUS MARTIN 1912 (ODONATA), AND THE HITHERTO UNDEXCRIBED MALE OF MICROGOMPHUS CAMERUNENSIS LONGFIELD 1951.
R M Gambles
Entomologist (london) 101(1267):281-288
Dec 1968 421 EN8
Insect taxonomy, Odonata.

5039-69
TWO NEW GALERUCINAE FROM NAINITAL DISTRICT (COLEOPTERA-CHRYSOMELIDAE).
L Gangola
Entomologist (london) 102(1270):55-59
Mar 1969 421 EN8
Chrysomelidae, Insect taxonomy, Zoogeography.

5040-69
THE GENUS PROTOGAMASELLUS KARG (ACARI) WITH DESCRIPTIONS OF NEW SPECIES AND SUBSPECIES FROM THE ETHIOPIAN REGION.
N de L Genis G C Loots P A J Ryke
Ann Mag Natur Hist 1(3,JULOSEP):337-353
Sep 1967 410 AN77
Acarina, Habitats, Insect taxonomy, Zoogeography.

5041-69
FIVE TYDEID MITES FROM ISRAEL (ACARINA: PROSTIGMATA).
U Gerson
Israel J Zool 17(4):191-198 REF
1968 410 IS7
Acarina, Insect taxonomy, Tydeus, Zoogeography.

5042-69
THE SPIDER GENUS LOXOSCELES IN SOUTH AMERICA (ARANEAE, SCYTODIDAE).
W J Gertsch
Amer Mus Nat Hist Bull 136(3):117-174 MAP REF
1967 500 N483B
Insect taxonomy, Spiders, Zoogeography.

5043-69
BEETLE FINDS IN THE SOUTH TICINO, JULY 1964. (GE)
W Gfeller R Heinertz
Entomol Gesell Basel (N s)15(1,JAN-FEB):12-17
1965 QL461.E58

Carabidae, Cerambycidae, Insect identification, Scarabaeidae, Tenebrionidae, Zoogeography.

5044-69
STUDY OF THE CYCLE OF GECKOBIA LATASTEI AND GECKOBIA LORICATA, ACARINE PARASITES OF THE GECKO TARENTOLA MAURITANICA. (FR)
B Girot
Vie Milieu Ser C Biol Terrestre 19(1-C):63-141 REF
1968 QH301.V5
Insect biology, Insect taxonomy, Life cycle, Mites, Pterygosomidae. English and German abstracts.

5045-69
NEW SPECIES OF PSEUDOSINELLA FROM CAVES (INSECTA: COLLEMBOLA). (FR)
H Gisin M M da Gama
Rev Suisse Zool 76(1):143-181 REF
Mar 1969 410 R324
Cave fauna, Collembola, Insect evolution, Insect taxonomy, Pseudosinella, Surveys, Zoogeography. English and German abstracts.

5046-69
THE ENDEMIC RHYCOPHILA FROM CORSICA. DESCRIPTION OF RHYACOPHILA TARDA SP. N. (TRICOPTERA). (FR)
J Giudicelli
Vie Milieu Ser C Biol Terrestre 19(1-C):49-54
1968 QH301.V5
Insect taxonomy, Trichoptera. English and German abstracts.

5047-69
A NEW TINEID FROM AFRICA: TINEA ROESLERI N. SP. (LEP.). (GE)
L Gozmany
Entomol Z 79(7):69-72
01 Apr 1969 421 EN85
Insect taxonomy, Tineidae. English abstract.

5048-69
CONSIDERATIONS ON THE CLASSIFICATIONS OF THE ORIBATIDAE. THEIR DIVISION INTO SIX MAJOR GROUPS. (FR)
F Grandjean
Acarologia 11(1):127-153 REF
Jan 1969 434.8 AC1
Insect taxonomy, Oribatidae.

5049-69
THE GENUS TRICHOPSIDEA WESTWOOD, WITH A DISCUSSION OF ITS RELATION TO OTHER GENERA OF NEMESTRINIDAE (DIPTERA).
D J Greathead
Ann Mag Natur Hist 1(3,JUL-SEP):305-313 REF
Sep 1967 410 AN77
Catalogs, Insect taxonomy, Nemestrinidae.

5050-69
NEW SPECIES OF PHEIDOLE FROM PACIFIC COAST ISLANDS (HYMENOPTERA: FORMICIDAE).
R E Gregg
Entomol News (philadelphia) 80(4):93-101
Apr 1969 421 EN88
Formicidae, Insect taxonomy, Pheidole, Western North America.

5051-69
THE ALYSIINATE (HYM. BRACONIDAE) PARASITES OF THE AGROMYZIDAE (DIPTERA). V. THE PARASITES OF LIRIOMYZA MIK AND CERTAIN SMALL GENERA OF PHYTOMYZINAE.
G C D Griffiths
Beitr Entomol 18(1-2):5-62 REF
1968 421 B392
Braconidae, Catalogs, Insect taxonomy, Liriomyza, Parasitism, Zoogeography.

5052-69
THE SPECIES OF THE SUB-FAMILY CASSIDINAE (CHRYS., COL.) IN BULGARIA. (GE)
B Gruev
Skoplje Prirodonaucen Muz Acta 11(2):17-37 REF
30 Nov 1967 510 SK52
Cassidinae, Chrysomelidae, Insect identification, Insect taxonomy, Zoogeography. Bulgarian summary. description of 22 species.

5053-69
A NEW SPECIES CHRYSOMELA RUFOAENEA SUFF. FOR THE FAUNA OF BULGARIA FROM THE COLLECTION OF THE ZOOLOGICAL MUSEUM IN SOFIA, CHRYSOM., COL.
B Gruev
Deut Entomol Ges Mitt 26(3):42
15 Jul 1967 420 D482
Chrysomela rufoaenea, Insect ecology, Insect identification, Insect taxonomy, Zoogeography. German summary

5054-69
NEW TETRANYCHIDAE OF MADAGASCAR. (FR)
J Gutierrez
Acarologia 11(1):43-64 REF
Jan 1969 434.8 AC1
Insect ecology, Insect taxonomy, Malagasy Republic, Tetranychidae. English abstract.

5055-69
A NEW SPECIES OF TRIBOLIUM FROM NORTH AMERICA PREVIOUSLY CONFUSED WITH TRIBOLIUM MADENS (CHARP.) (COLEOPTERA: TENEBRIONIDAE).
D G H Halstead
J Stored Prod Res 4(4):295-304 REF
Feb 1969 421 J829
Bees, Insect identification, Insect taxonomy, Tenebrionidae, Tribolium.

5056-69
NOTES ON THE TRIGONODERUS-GROUP (HYM., CHALCIDOIDEA).
K J Hedqvist
Entomol Tidskr 89(1-2):35-63
421 EN891
Catalogs, Chalcidoidea, Hymenoptera, Insect taxonomy, Zoogeography.

The Trigonoderus-group is placed in a tribe which may belong to either the Cleonymidae or Pteromalidae family. A key is given for the genera, including morphology, host and distribution when known.

5057-69
BURMESE ICHNEUMONINAE IV. (GE)
G H Heinrich
Entomol Tidskr 89(1-2):77-106
10 Aug 1968 421 EN891
Ichneumonidae, Insect taxonomy, Zoogeography.

The descriptions of some Ichneumoninae genera found in Burma are given here. Male and female morphology and distributions are provided.

5058-69
A NEW KIND OF MACROSIPHONIELLA (MACROSIPONIELLA HAERELLI N. SP.(APHIDIDAE)) OF ARTEMISIA RUPESTRIS. (GE)
K Heinze
Deut Entomol Ges Mitt 19(3):54-55
15 Jun 1960 420 D482
Aphididae, Insect identification, Taxonomy.

5059-69
X-RAY ANALYSIS OF HYPHAL AND SCLEROTIAL WALLS OF SCLEROTIUM ROLFSII SACC.
C Henis Y Henis
Can J Microbiol 14(7):815
Jul 1968 448.8 C162
Anatomy, Cell wall, Cellulose, Chitin, Extracts, Research, Sclerotium rolfsii, X-rays.

5060-69
A NEW GENUS AND NEW SPECIES OF THE OXYTELINAE FROM BRAZIL (COLEOPTERA, STAPHYLINIDAE).
L H Herman
Amer Mus Novitates 2336:1-8
19 Jul 1968 500 N483N
Insect taxonomy, Staphylinidae.

5061-69
GENITALIA OF THE TYPES OF CHILEAN SATYRIDAE ON DEPOSIT AT THE BRITISH MUSEUM. (SP)
J Herrera T H Howarth
Chile Univ Centro Estud Entomol Publ (8).73-126 REF
1966 420 C432
Illustrations, Insect identification, Insect names, Insect taxonomy, Reproductive organs, Satyridae. English summary. 12 species were reclassified.

5062-69
NEW AFRICAN ENNOMINAE (LEP. GEOMETRIDAE). (FR)
C Herulot
Lambillionea 66(9/10):67-70
05 Sep 1967 420 N15
Geometridae, Insect identification, Insect taxonomy, Zoogeography.

5063-69
A NEW GENUS OF EUROPEAN BUTTERFLIES (LEP. LYCAENIDAE).
L G Higgins
Entomologist (london) 102(1270):67
Mar 1969 421 EN8
Insect taxonomy, Lycaenidae, Zoogeography.

5064-69
AN UNDESCRIBED EUROPEAN BUTTERFLY:(LEP. SATYRIDAE).
L G Higgins
Entomologist (london) 102(1270):60
Mar 1969 421 EN8
Insect taxonomy, Satyridae, Zoogeography.

5065-69
A NEW SPECIES OF AULACORTHUM MORDVILKO (HOMOPTERA, APHIDIDAE) FROM JAPAN.
D Hille Ris Lambers
Entomol Ber 27(7):132-134
01 Jul 1967 420 N38B
Aphididae, Aulacorthum, Insect taxonomy.

5066-69
A NEW SPECIES OF EPURAEA ASSOCIATED WITH EASTERN GALL RUST (COLEOPTERA: NITIOULIDAE).
S Hisamatsu
Shikoku Entomol Soc Trans 10(1):29-31
Aug 1968 420 SH6
Cronartium quercuum, Fungus diseases (plants), Insect taxonomy, Insect vectors, Nitidulidae, Pinus, Plant galls, Rust.

5067-69
THE GENUS LASIODACTYLUS PERTY IN JAPAN (COLEOPTERA: NITIDULIDAE).
S Hisamatsu
Shikoku Entomol Soc Trans 10(1):11-14
Aug 1968 420 SH6
Insect identification, Insect taxonomy, Nitidulidae, Zoogeography.

5068-69
DESCRIPTIONS OF NEW SPECIES OF THE FAMILY ENCYRTIDAE FROM CZECHOSLOVAKIA (HYM., CHALCIDOIDEA). II.
A Hoffer
Acta Ent Bohemoslov 60(1-2):125-134 REF
1963 420 C33
Encyrtidae, Insect identification, Insect taxonomy, Zoogeography. Czech summary.

5069-69
CONTRIBUTION TO THE FAUNAL LIST OF THE CONGO (BRAZZAVILLE). MISSION A. VILLIERS AND A. DESCARPENTRIES. LXI. COLEOPTERA ANTHRIBIDAE. (FR)
A Hoffmann
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(3):1311-1318

Jul 1967 515 D14
Anthribidae, Catalogs, Insect taxonomy.

5070-69
IS ONE ABLE TO DIAGNOSE THE SEX OF THE MOTH, CELERIO EUPHORBIAE (LEP., SPHINGIDAE) IN THE CATERPILLAR STAGE . (GE)
R Hofmann
Entomol Z 78(14):161
15 Jul 1968 421 EN85
Insect identification, Larvae, Sex determination, Sphingidae.

5071-69
NEW COMBINATIONS AFFECTING THE GENUS AIOLOPUS (ORTHOPTERA: ACRIDOIDEA) AND A DESCRIPTION OF A RELATED NEW GENUS AND SPECIES FROM AUSTRALIA.
D Hollis
Ann Mag Natur Hist 1(2,APR-JUN):157-162 REF
Jun 1967 410 AN77
Acridoidea, Insect taxonomy, Surveys, Zoogeography.

5072-69
DESCRIPTIONS OF TWO NEW APHID SPECIES (SITOBION EQUISETI SP. N. AND LINOSIPHON ASPERULOPHAGUS SP. N.) FROM CZECHOSLOVAKIA (HOMOPTERA, APHIDIDAE).
J Holman
Acta Ent Bohemoslov 58(4):324-332
1961 420 C33
Aphididae, Insect identification, Insect taxonomy, Zoogeography. Czech summary.

5073-69
A LARVA OF CITHERONIA SEPULCHRALIS (CITHERONIIDAE) FROM NEW JERSEY.
D J Horn
Lepidopterists Soc J 23(1):25
1969 421 L554
Citheroniidae, Larvae, Zoogeography.

5074-69
THE CICADIDAE OF THE RYUKYU ARCHIPELAGO (HEMIPTERA).
T Ishihara
Shikoku Entomol Soc Trans 9(4):129-145 MAP REF
Apr 1968 420 SH6
Cicadidae, Insect identification, Insect taxonomy. 26 previously know species of Cicadidae are also described.

5075-69
THE SYNONOMY IN CITRINOPHILA KIRBY AND FURTHER NOTES ON EPITOLA WESTWOOD AND ALAENA BOISDUVAL (LEPIDOPTERA: LYCAENIDAE).
T H E Jackson
Ann Mag Natur Hist 1(3,JUL-SEP):327-336 REF
Sep 1967 410 AN77
Insect names, Insect taxonomy, Lycaenidae, Zoogeography.

5076-69
HADRODACTYLUS BRANDERI N. SP. (HYM., ICHNEUMONIDAE) FROM FINLAND.
R Jussila
Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(3):148-151 REF
1967 421 SU7
Hadrodactylus branderi, Ichneumonidae, Insect identification, Insect taxonomy, Zoogeography.

5077-69
NEW SPECIES OF THE GENUS DIPLATYS SERVILLE FROM INDIA (DERMAPTERA: DIPLATYINAE).
V C Kapoor
Zool Anz 18(1-2,JUL-SEP):118-128
Sep 1968 410 Z7
Dermaptera, Diplatys, Insect taxonomy.

5078-69
ON A NEW GENUS OF DERMAPTERA FROM SOUTH INDIA.
V C Kapoor
Ann Mag Natur Hist 1(3,JUL-SEP):355-358
Sep 1967 410 AN77
Dermaptera, Insect taxonomy.

5079-69
THE BUTTERFLY IN THE VERNACULAR. (GE)
H Kemper
Deut Entomol Ges Mitt 26(3):45-49
15 Jul 1967 420 D482
Butterflies, Caterpillars, Lepidoptera, Moths, Nomenclature.

5080-69
ORTHOPTERA-CAELIFERA FROM NORTHERN KENYA AND JUBALAND. IV. ACRIDIDAE, S. STR.: CALOPTENINAE, EURYPHYMINAE, EYPREPOCNEMIDINAE, CATANTOPINAE, CYRTACANTHACRIDINAE.
D K McE Kevan
Ann Mag Natur Hist 1(1,JAN-MAR):75-96 REF
Mar 1967 410 AN77
Acrididae, Insect taxonomy, Surveys, Zoogeography.

5081-69
FURTHER RECORDS OF SOME LITTLE-KNOWN PYRGOMORPHIDAE AND TRIGONOPTERYGIDAE FROM FIJI, NEW GUINEA AND BORNEO (ORTHOPTERA: ACRIDOIDEA).
D K McE Kevan
Entomologist (london) 102(1270):68-69
Mar 1969 421 EN8
Acridoidea, Insect taxonomy, Pyrgomorphidae.

5082-69
A NEW SPECIES OF BATYLE FROM UTAH (COLEOPTERA: CERAMBYCIDAE).
J N Knull
Ohio J Sci 68(4):233
Jul 1968 410 OH3
Batyle, Coleoptera, Insect identification, Taxonomy.

5083-69
IXODES (LEPIDIXODES) KOPSTEINI OUDEMANS, 1925, VALID NAME FOR I. (L.) PARADOXUS KOHLS AND CLIFFORD, 1961, WITH NOTES ON DISTRIBUTION AND HOSTS (ACARINA: IXODIDAE).
G M Kohls C M Clifford
J Med Entomol 5(4):503-506
30 Oct 1968 421 J828
Bats, Insect names, Insect taxonomy, Ixodidae, Medical entomology, Zoogeography.

5084-69
FAUNISTIC STUDIES ON SOME ACARI OF THE FAMILIES MYOBIIDAE AND CHEYLETIDAE, PARASITIZING ON SMALL MAMMALS IN BULGARIA.
M Kolebinova
Bulgarska Akad Nauk Zool Inst Muz Izv 25:77
1967 410.9 B8721
Acarina, Catalogs, Insect identification, Mites, Parasitic insects. English abstract

5085-69
PROTELEAS, A NEW GENUS OF SCELIONIDAE WITH THREE NEW SPECIES FROM THE USSR. (GE)
M A Koslow
Acta Ent Bohemoslov 58(4):333-339
1961 420 C33
Insect taxonomy, Scelionidae, Ussr, Zoogeography. Russian summary.

5086-69
THE CAPTURE OF DIPTERA SIMULIIDAE BY NIGHT IN A DRY GRASSLAND ZONE. (FR)
M Lamontellerie
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(4):1812-1832 REF
Oct 1967 515 D14
Catalogs, Simuliidae.

5087-69
CONTRIBUTION TO THE STUDY OF APHIDIDAE (HOM) OF THE FRENCH FORESTS. (FR)
J E Laurent
Nancy Ecole Nat Super Agron Bull 9(2):93-101
Dec 1967 64.9 N15
Aphididae, Forest insects, Host indexing (plants), Insect identification, Insect pests, Zoogeography.

5088-69
INVESTIGATION INTO THE SYNANTHROPIC FLIES IN THE FAMILY MUSCIDAE (DIPT.) IN BULGARIA. (GE)
V Lavciev
Bulgarska Akad Nauk Zool Inst Muz Izv 25:37-39
1967 410.9 B8721
Catalogs, Diptera, Insect taxonomy, Muscidae. German abstract

5089-69
ON THE PRESENCE IN FRANCE OF NEARCTAPHIS BAKERI COWEN, A DANGEROUS PEST OF CULTIVATED CLOVER IN THE U. S. A. (HOMOPTERA, APHIDIDAE). (FR)
F Leclant
Paris Acad Agr France Compt Rend Hebd Seances 53(2):159-163 REF
1967 14 P215BC
Clover, Insect biology, Insect pests, Nearctaphis bakeri, Zoogeography.

5090-69
DENNYUS AEQUATORIALIS N. SP. (MALLOPHAGA: MENOPONIDAE) FROM THE MOTTLED SWIFT, APUS AEQUATORIALIS.
J A Ledger
Novos Taxa Entomol (61):3-8
Jul 1968 421 N853
Birds, Dennyus aequatorialis, Insect taxonomy, Menoponidae, Parasitic insects.

5091-69
NOTES ON SOME NEW OR LITTLE KNOWN LUCANIDAE COLEOPTERA. (FR)
M O de Lisle
Rev Suisse Zool 74(2):521-544
Sep 1967 410 R324
Insect taxonomy, Lucanidae, Zoogeography.

5092-69
CONTRIBUTION TO THE KNOWLEDGE OF INDO-AUSTRALIAN, SOUTH PACIFIC AND EAST ASIATIC PSENINI GENUS PSEN LATREILLE (HYMENOPTERA, SPHECIDAE).
J P Van Lith
Tijdschr Entomol 111(4):89-135
10 Oct 1968 421 T21
Hymenoptera, Insect taxonomy, Psenini, Sphecidae. English abstract

5093-69
NEW DESCRIPTIONS OF PSORERGATE SPECIES (PSORERGATIDAE: TROMBIDIFORMES). (DU)
F Lukoschus A Fain M M J Beaujean
Tijdschr Entomol 110(7):133-181
15 Nov 1967 421 T21
Insect taxonomy, Mites, Myobiidae, Psorergates, Zoogeography.

5094-69
FIELD TEST OF LINDANE AGAINST OVERWINTERING BROODS OF THE WESTERN PINE BEETLE.
R L Lyon K M Swain
USDA Forest Serv Res Note PSW- (176):4
1968 A99.9 F7652
Chemical control (insects), Chlorinated hydrocarbons, Dendroctonus brevicomis, Dosage, Forest insects, Hibernation, Insecticides, Lindane, Methodology, Pyraustidae.

5095-69
CATALOGUE OF THE OEDEMERIDAE OF ITALY (COLEOPTERA). (IT)
M Magistretti
Soc Entomol Ital Mem 46(2):181-200
1967 420 IT1M
Catalogs, Coleoptera, Insect taxonomy, Oedemeridae, Zoogeography.

5096-69
COLEOPTERA FROM NORTHEAST AFRICA. CICINDELIDAE AND CARABIDAE: CARABINI. (GE)
K Mandl
Notulae Entomol 48(3):126-130 MAP
1968 421 N84
Carabidae, Catalogs, Cicindelidae, Insect taxonomy, Zoogeography.

5097-69
DESCRIPTION OF A NEW SPECIES OF THE GENUS BOVICORINA DELAMARE DEBOUTTEVILLE 1947 (COLLEMBOLA, SYMPHYLLA) AND A KEY FOR IDENTIFICATION OF THE SPECIES IN THE GENUS. (FR)
Z Massoud C Delamere Deboutteville
Ann Mag Natur Hist 1(1,JAN-MAR):69-74
Mar 1967 410 AN77
Catalogs, Collembola, Insect taxonomy, Zoogeography.

5098-69
FIRST RECORDS OF TWO BUTTERFLIES IN WISCONSIN (NYMPHALIDAE, PIERIDAE).
J H Masters
Lepidopterists Soc J 22(4):252
1968 421 L554
Insect identification, Nymphalidae, Pieridae, Zoogeography.

5099-69
COSYMBIA PUPILLARIA HBN. AT AN ALTITUDE OF 3200 METERS. (GE)
K Mazzucco
Wien Entomol Ges Z 77(12):154
30 Dec 1966 421 OS7
Geometridae, Herse convolvuli, Insect identification, Insect migration, Zoogeography.

5100-69
THE GENUS CAIRNSIMYIA MALLOCH (DIPTERA, HELEOMYZIDAE, RHINOTORINI).
D K McAlpine
Aust Mus Rec 27(12):263-283
29 Jul 1968 514 AU7
Diptera, Heleomyzidae, Insect taxonomy, Zoogeography.

5101-69
NOTES ON SOME LARVAL AND PUPAL CHIRONOMIDS (DIPTERA) FROM LAKE KARIBA, RHODESIA.
A J McLachlan
Ann Mag Natur Hist 3(2,APR-JUN):261-293
Jun 1969 410 AN77
Catalogs, Chironomidae, Insect taxonomy, Larvae, Pupae, Zoogeography.

5102-69
SOME REMARKS ON THE TAMPANS OF THE ORNITHODOROS MOUBATA COMPLEX IN SOUTHERN AFRICA.
S van der Merwe
Zool Anz 181(3-4,SEP-OCT):280-289 MAP
Oct 1968 410 Z7
Insect biology, Insect taxonomy, Ixodides, Ornithodoros, Surveys, Zoogeography.

5103-69
CONTRIBUTION TO THE ARTHROPOD FAUNA OF THE RESINS OF LARGE CAVES AND THE KYFFHAUSERS. III. COLEOPTERA. (GE)
B Messner B V Broen W Mohrig M Moritz
Deut Entomol Z 15(1-3):1-8 REF
15 Jul 1968 421 D48
Arthropoda, Catalogs, Cave fauna, Coleoptera, Resins.

5104-69
A REVISION OF THE FERN APHIDS OF JAPAN WITH DESCRIPTIONS OF THREE NEW SPECIES (HOMOPTERA: APHIDIDAE).
M Miyazaki
Insecta Matsumurana 31(PT 3):13-24
Oct 1968 421 IN77
Aphididae, Catalogs, Insect taxonomy, Pteridophyta.

5105-69
THE ELECTRENTOMOID PSOCIDS (PSOCOPTERA).
E L Mockford
Psyche 74(2):118-165 REF
Jun 1967 421 P95
Catalogs, Insect evolution, Insect geography, Insect taxonomy, Psocoptera.

5106-69
SOME NEW ANALYTIC AND GRAPHIC APPROACHES TO NUMERICAL TAXONOMY, WITH AN EXAMPLE FROM THE DERMANYSSIDAE (ACARI).
W W Moss
Syst Zool 16(3):177-207 REF
Sep 1967 410 SY8
Acarina, Dermanyssus, Insect taxonomy, Methodology, Statistical analysis.

5107-69
PARACHERNES (ARACHNIDA, CHELONETHIDA, CHERNETIDAE) FROM THE COAST OF NORTH CAROLINA.
W B Muchmore C H Alteri
Entomologist (london) 80(5):131-137
May 1969 421 EN8
Chelonethida, Taxonomy, Zoogeography.

5108-69
SCORPIONS, WHIP SCORPIONS AND WIND SCORPIONS OF FLORIDA.
M H Muma
Fla Dep Agr Arthropods Fla 4:28P MAP REF
1967 410.9 F6632
Insect identification, Insect taxonomy, Pedipalpida, Scorpionida, Solpugida.

5109-69
CONTRIBUTIONS TO A STUDY OF THE PYRAUSTINAE (LEPIDOPTERA: PYRALIDAE) OF TEMPERATE EAST ASIA. V.
E Munroe A Mutuura
Can Entomol 101(3):299-305
Mar 1969 421 C16
Insect identification, Insect taxonomy, Pyralidae, Pyraustinae.

5110-69
DESCRIPTION OF BLASTOPHAGUS KHASIANUS, NEW SPECIES (COLEOPTERA: SCOLYTIDAE).
J J Murayama
Brooklyn Entomol Soc Bull 54(3):75-76
Jun 1959 420 B79
Coleoptera, Insect anatomy, Insect taxonomy, Scolytidae.

5111-69
A NEW SPECIES AND NEW RECORDS OF MACKIENA (ACARINA, TROMBICULIDAE).
M Nadchatram N Wilson
J Med Entomol 6(1):99-101
30 Jan 1968 421 J828
Insect identification, Insect taxonomy, Medical entomology, Trombiculidae.

5112-69
DISTRIBUTIONAL AND BIOLOGICAL NOTES ON THE TREE HOLE MOSQUITOES OF THE WESTERN UNITED STATES.
L T Neilsen J H Linam J H Arnell T J Zavortink
Mosquito News 28(3):361-365 REF
Sep 1968 421 M85
Aedes, Anopheles, Insect biology, Orthopodomyia, Zoogeography.

5113-69
A NEW SPECIES OF DERMANYSSUS FROM MARINE BIRDS, WITH OBSERVATIONS ON ITS BIOLOGY (ACARINA: DERMANYSSIDAE).
B C Nelson D P Furman
Acarologia 9(2):330-337 REF
Jul 1967 434.8 AC1
Aquatic birds, Dermanyssus, Insect biology, Insect taxonomy, Mites, Parasitic insects.

5114-69
NOTES ON BUPRESTIDAE AND SCHIZOPODIDAE.
G H Nelson
Brooklyn Entomol Soc Bull 55(3):70-74
Jun 1960 420 B79
Buprestidae, Insect anatomy, Insect taxonomy, Schizopinae.

5115-69
THE GENERA OF PALEARCTIC TORTRICIDAE. II. THE SUBFAMILY OLETHREUTINAE 7TH PART. EUCOSMINI (HEINR. 1923) TRIBE--CONTINUATION. (DU)
N S Obraztson
Tijdschr Entomol 110(4):65-88
18 Sep 1967 421 T21
Catalogs, Insect taxonomy, Lepidoptera, Olethreutidae, Zoogeography. English abstract

5116-69
NOTES ON RHYNCHOCEPHALUS TAUSCHERI FISCHER (DIPTERA: NEMESTRINIDAE).
H Oldroyd
Ann Mag Natur Hist 1(2,APR-JUN):153-156 REF
Jun 1967 410 AN77
Insect taxonomy, Nemestrinidae, Neorhynchocephalus tauscheri, Zoogeography.

5117-69
SYSTEMATIC ENTOMOLOGY: DISTRIBUTION OF INSECTS IN THE PACIFIC.
P Oman K V Krombein
Science 161(3836) :78-79
05 Jul 1968 470 SCI2
Entomology, Insect adaptation, Insect evolution, Insect taxonomy, Zoogeography.

Letter concerning seminar held in Washington, D. C., Dec. 4-8, 1967, sponsored jointly by the Japan Society for the Promotion of Science and the NSF.

5118-69
NEW THYSANOPTERA FROM CENTRAL ASIA (U. S. S. R.).
J Pelikan
Acta Ent Bohemoslov 60(1-2):99-113
1963 420 C33
Insect identification, Insect taxonomy, Thysanoptera, Zoogeography. Czech summary.

5119-69
TWO NEW SPECIES OF OEDALEOTHRIPS (THYSANOPTERA) FROM ASIA.
J Pelikan
Acta Ent Bohemoslov 58(4):302-309
1961 420 C33
Insect identification, Insect taxonomy, Thysanoptera, Zoogeography. Czech summary.

5120-69
A NEW SPECIES OF POECILMITIS BUTLER (RHOPALOCERA) FROM THE SOUTH WESTERN CAPE.
K M Pennington
Novos Taxa Entomol (56):1-8
Feb 1968 421 N853
Insect taxonomy, Lycaenidae, Poecilmitis, Zoogeography.

5121-69
ON THE KNOWLEDGE OF GERMAN FLEAS. II. FAUNA AND ECOLOGY OF THE FLEAS OF BIRDS (INSECTA, SIPHONAPTERA). (GE)
F Peus

Zool Jahrbucher Abt Allg Zool Physiol Tiere 95(4):571-633 REF
196, 410 Z751Z
Birds, Catalogs, Insect taxonomy, Parasitic insects, Siphonaptera.

5122-69
GENERA AND SPECIES OF THE DERMAPTERA. 10. FORFICULINAE (FORFICULIDAE).
E J Popham A Brindle
Entomologist (london) 102(1270):61-66
Mar 1969 421 EN8
Catalogs, Dermaptera, Insect taxonomy, Zoogeography.

5123-69
GENERA AND SPECIES OF DERMAPTERA (9) OPISTHOCOSMINAE (FORFICULIDAE).
E J Popham
Entomologist (london) 101(1267)276-280
Dec 1968 421 EN8
Dermaptera, Forficulidae, Insect taxonomy, Zoogeography.

5124-69
A NEW SPECIES OF TRACHYSPHYRUS FROM THE ANDES OF ECUADOR (HYMENOPTERA, ICHNEUMONIDAE).
C C Porter
Psyche 74(1):27-33 MAP
Mar 1967 421 P95
Ichneumonidae, Insect geography, Insect taxonomy, Trachysphyrus, Zoogeography.

5125-69
ON THE SYSTEM OF CLASSIFICATION OF TICKS OF THE FAMILY ARGASIDAE CAN., 1890. I. TWO CLASSIFICATIONS OF ARGASIDAE.
M V Pospelova-Shtrom
Acarologia 11(1):1-22 REF
Jan 1969 434.8 AC1
Argasidae, Insect taxonomy.

5126-69
NEW DESCRIPTION OF PALEARCTIC SCROBIPALPA SPECIES. (LEPIDOPTERA, GELECHIIDAE). (GE)
D Povolny
Acta Ent Bohemoslov 5(63):394-408
1966 420 C33
Gelechiidae, Insect identification, Insect taxonomy, Zoogeography. 14 new species are described.

5127-69
A REVIEW OF THE GENUS DICTEISIA BEDFORD (MALLOPHAGA: MENOPONIDAE) WITH DESCRIPTION OF A NEW SPECIES.
R D Price
J Med Entomol 5(4):445-452
30 Oct 1968 421 J828
Dicteisia, Dicteisia keleri, Insect identification, Insect taxonomy, Medical entomology, Menoponidae.

5128-69
CYNIPINAE (HYMENOPTERA) OCCURRING ON PHLOMIS L.
J Quinlan
Roy Entomol Soc London Trans 120(13):275-286 REF
20 Dec 1968 420 L84
Aulacidea, Cynipidae, Gall-making insects, Insect morphology, Insect taxonomy, Panteliella, Phanacis, Phlomis, Rhodus oriundus.

5129-69
NEW AND KNOWN DERMAPTERA FROM SOUTH INDIA WITH TWO GENERIC RECORDS NEW TO INDIA.
B N Ramamurthi
Zool Anz 18(1-2,JUL-SEP):128-136
Sep 1968 410 Z7
Dermaptera, Insect taxonomy, Zoogeography.

5130-69
A REDESCRIPTION OF THE TYPE SPECIMEN OF CROTONIA (0ACRONOTHRUS) OBTECTA (O. PICKARD-CAMBRIDGE, 1875), (ACARI, CRYPTOSTIGMATA) AND A DISCUSSION OF ITS TAXONOMIC RELATIONSHIPS.
G W Ramsay M Luxton
Ann Mag Natur Hist 1(4,OCT-DEC):473-480
Dec 1967 410 AN77
Acarina, Insect taxonomy, Zoogeography.

5131-69
A NEW GENUS OF WINGLESS N. AMERICAN SPHAEROCERID FLIES.
O W Richards
Ann Mag Natur Hist 1(3,JUL-SEP):373-376
Sep 1967 410 AN77
Insect taxonomy, Sphaeroceridae.

5132-69
NORTH AMERICAN SPECIES OF TAENIOPTERYX (PLECOPTERA, INSECTA).
W E Ricker H H Ross
Can Fish Res Board J 25(7):1423-1439
Jul 1968 442.9 C16J
Catalogs, Insect taxonomy, Plecoptera, Zoogeography.

5133-69
WHAT IS PIERIS DUBIOSA ROBER (LEP., PIERIDAE) .
N D Riley S R Bowden
Entomologist (london) 102(1270):49-54
Mar 1969 421 EN8
Insect names, Insect taxonomy, Pieris, Pieris rapae, Zoogeography.

5134-69
A NEW SPECIES OF NEPYTIA FROM THE SOUTHERN ROCKY MOUNTAINS (LEPIDOPTERA: GEOMETRIDAE).
F H Rindge
N Y Entomol Soc J 75(2):74-76
Jun 1967 420 N48J
Geometridae, Insect taxonomy, Nepytia.

5135-69
A REVISION OF THE NEOTROPICAL SPECIES OF THE MOTH GENUS GLENA (LEPIDOPTERA, GEOMETRIDAE).
F H Rindge
Amer Mus Nat Hist Bull 135(3):107-171 REF
1967 500 N483B
Geometridae, Insect taxonomy, Zoogeography.

5136-69
ON THE SYNONYMY OF LEUCOPHLEBIA LINEATA BRUNNEA CLOSS WITH REMARKS ON SOME SPHINGIDS COLLECTED BY SAUTER IN FORMOSA, NOW IN THE GERMAN ENTOMOLOGICAL INSTITUTE. (LEPIDOPTERA: SPHINGIDAE). (GE)
J C E Riotte
Beitr Entomol 18(1-2):229-232
1968 421 B392
Insect taxonomy, Sphingidae. English and Russian abstracts

5137-69
SOUTH AMERICAN THROMBIDIIDAE. II. CHYZERINI THROMBIDIINAE; SOLENOCYTE TAXONOMY OF THE PALPUS IN SEVERAL THROMBIDII A ; TH R LATIO-SHIP BETWEEN PODOTHROMBIUM BERLESE 1910 -- VARIATHROMBIUM N. G., AND THROMBIDIINAE. (FR)
P Robaux
Acarologia 11(1):69-93 REF
Jan 1969 434.8 AC1
Insect taxonomy, Mites, Trombidiidae, Variathrombium, Zoogeography.

5138-69
CONTRIBUTION TO THE FAUNA OF THE CONGO (BRAZZAVILLE). MISSION A. VILLIERS AND A. DESCARPENTRIES. XLVI. LEPIDOPTERA, ATTACIDAE. (FR)
P C Rougeot
Inst Fondamental Afr Noire Bull Ser A Sci Natur 29(1):345-346
Jan 1967 515 D14
Insect taxonomy, Saturniidae, Zoogeography.

5139-69
PRELIMINARY NOTE ON A REVIEW OF SUBGENUS TAENIOTHRIPS (ISOCHAETOTHRIPS) (THYSANOPTERA: THRIPIDAE).
K Sakimura
Pacific Insects 9(4):721-726 REF
20 Nov 1967 421 P11
Catalogs, Insect taxonomy, Taeniothrips, Zoogeography.

5140-69
CONTRIBUTIONS TO THE KNOWLEDGE OF THE FAMILY ANOETIDAE (ACARI). (GE)
K Samsinak
Acta Ent Bohemoslov 59(1):87-97 REF
1962 420 C33
Anoetidae, Insect ecology, Insect taxonomy, Parasitism. Czech summary.

5141-69
NEW CONTRIBUTION TO THE KNOWLEDGE OF THE ITALIAN PSYCHODIDAE (DIPTERA). (IT)
M Sara G Salamanna
Soc Entomol Ital Mem 46(1):27-72 MAP REF
1967 420 IT1M
Catalogs, Insect taxonomy, Psychodidae, Zoogeography. English abstract

5142-69
ON SOME SCOLYTIDAE AND PLATYPODIDAE OF ECONOMIC IMPORTANCE FROM THE TERRITORY OF PAPUA AND NEW GUINEA. 250. CONTRIBUTION TO THE MORPHOLOGY AND TAXONOMY OF THE SCOLYTOIDEA).
K E Schedl
Pacific Insects 10(2):261-270
1968 421 P11
Cacao, Forest insects, Hevea, Insect pests, Insect taxonomy, Platypodidae, Scolytidae.

Species of Scolytidae and Platypodidae many, of which are major forest pests in Papua and New Guinea, are listed. Several new species are described.

5143-69
THE IDENTITY OF NAPHIUS SEED BUG PESTS IN AFRICA (HEMIPTERA: LYGAEIDAE).
G C E Scudder
Bull Entomol Res 58(PT 2):205-212 MAP REF
Nov 1968 421 B87
Hemiptera, Insect identification, Insect pests, Lygaeidae, Seeds, Zoogeography.

5144-69
A CONTRIBUTION TO THE SYSTEMATICS OF ORIENTAL AND AUSTRALIAN BLISSINAE (HEMIPTERA: LYGAEIDAE).
J A Slater
Pacific Insects 10(2):275-294 MAP
1968 421 P11
Australian Region, Insect taxonomy, Lygaeidae, Oriental region.

5145-69
KEY FOR THE DETERMINATION OF SPECIES FROM U.S.S.R. BELONGING TO THE GENUS SCOLYTUS GEOFFROY (SCOLYTIDAE, COLEOPTERA). (RU)
B V Sokanovskij
Acta Ent Bohemoslov 5(63):380-393 REF
1966 420 C33
Insect identification, Insect taxonomy, Scolytidae, Zoogeography.

5146-69
TWO NEW SPECIES OF PRAON HALIDAY FROM CZECHOSLOVAKIA (HYM., APHIDIIDAE).
P Stary
Acta Ent Bohemoslov 58(4):340-343

1961 420 C33
Braconidae, Insect identification, Insect taxonomy, Praon, Zoogeography. Czech summary.

5147-69
ENTOMOLOGICAL RESULTS OF CATCHES IN THE AREA OF SAN BERNARDINO (MISOX GR), WHICH HAS NOT BEEN FULLY EXPLORED LEPIDOTEROLOGICALLY. (A BUILDING BLOCK OF THE SWISS LEPIDOPTERA FAUNA). (GE)
O Sterzl
Entomol Gesell Basel (N s)15(1,JAN-FEB):1-9
1965 QL461.E58
Geometridae, Insect identification, Insect taxonomy, Lepidoptera, Microlepidoptera, Noctuidae, Zoogeography. 187 different species were caught and are listed.

5148-69
FINNISH DISCOVERY OF ALEOCHARA PEEZIANA LOHSE (COLEOPTERA, STAPHYLINIDAE). (SW)
S Stockmann
Notulae Entomol 48(3):135
421 N84
Aleochara, Insect taxonomy, Staphylinidae.

5149-69
SAPRINUS CUSPIDATUS IHSSEN FROM FINLAND (COLEOPTERA, HISTERIDAE). (SW)
S Stockmann
Notulae Entomol 48(3):136
1968 421 N84
Histeridae, Insect taxonomy, Saprinus.

5150-69
A WIDELY DISTRIBUTED PINE SAP INJURIOUS, ACANTHOPHILA PICEANA N. SP. (LEP. GELECHIIDAE) IN LATVIA. (GE)
A Sules
Deut Entomol Z 15(4-5):427-430
01 Oct 1968 421 D48
Gelechiidae, Insect pests, Insect taxonomy, Lepidoptera, Parasitic insects, Pinus, Sap.

5151-69
TWO SPECIES OF COPIDOSOMA PARASITIC ON THE POTATO TUBER MOTH (HYMENOPTERA: CHALCIDOIDEA-ENCYRTIDAE).
T Tachikawa
Shikoku Entomol Soc Trans 9(4):112-116
Apr 1968 420 SH6
Copidosoma, Copidosoma koehleri, Encyrtidae, Gnorimoschema operculella, Hymenoptera, Insect taxonomy, Parasitism.

5152-69
DISCOVERY OF THE GENUS ANUSIOIDEA GIRAULT FROM ASIA (HYMENOPTERA: CHALCIDOIDEA-ENCYRTIDAE).
T Tachikawa
Shikoku Entomol Soc Trans 9(4):117-118
Apr 1968 420 SH6
Hymenoptera, Insect identification, Insect taxonomy, Pseudococcus.

5153-69
A NEW NAME FOR METAPHYCUS ERIOCOCCI ALAM (HYMENOPTERA: CHALCIDOIDEA-ENCYRTIDAE).
T Tachikawa
Shikoku Entomol Soc Trans 9(4):111
Apr 1968 420 SH6
Encyrtidae, Hymenoptera, Insect identification, Insect names, Insect taxonomy.

5154-69
METAPSAENYTHIA, A NEW PANURGINE BEE GENUS (HYMENOPTERA, ANDRENIDAE).
P H Timberlake
Entomol News (philadelphia) 80(4):89-92
Apr 1969 421 EN88
Andrenidae, Insect taxonomy.

5155-69
THE BUMBLEBEE FAUNA IN THE NEIGHBORHOOD OF THE KUKU-NOR. (HYMENOPTERA, BOMBINAE). (GE)
B Tkalcu
Acta Ent Bohemoslov 58(4):344-379 MAP REF
1961 420 C33
Bombinae, Insect ecology, Insect taxonomy, Zoogeography. Czech summary. many other species are described.

5156-69
EVANSIPSYLLA THYSANOTA, A NEW GENUS, NEW SPECIES OF FLEA FROM NEPAL (SIPHONAPTERA: HYSTRICHOPSYLLIDAE).
R Traub
J Med Entomol 5(4):411-421
30 Oct 1968 421 J828
Evansipsylla thysanota, Hystrichopsyllidae, Insect identification, Insect taxonomy, Medical entomology, Siphonaptera.

5157-69
ON SOME SPHECOIDEA FROM THE RYUKYUS (HYMENOPTERA).
K Tsuneki
Shikoku Entomol Soc Trans 9(4):107-111
Apr 1968 420 SH6
Hymenoptera, Insect identification, Sphecoidea, Zoogeography.

5158-69
PROCEEDINGS OF THE ENTOMOLOGICAL SOCIETY OF ONTARIO.
Entomol Soc Ontario Proc 97:1-141
1966 420 ON8
Entomology, Indexing, Insect pests, Reports, Research.

5159-69
STUDIES ON THE AGE COMPOSITION OF ANOPHELES CULICIFACES POPULATIONS IN INDIA AT DIFFERENT PHASES OF DEVELOPMENT OF RESISTANCE TO DDT.
Entomol Soc Amer Ann 58(6):918-923, 17 REFS., 3 TABS., 3 FIGS.
Nov 1965 420 EN82
Anopheles, DDT, India, Insecticide resistant insects.

5160-69
APPEAL CONCERNING THE CLASSIFICATION OF INVERTEBRATE VIRUSES.
C Vago
354-355
1967 SB932.I5
Classification, Invertebrates, Virology, Virus diseases (insects).

5161-69
A RE-ASSESSMENT OF THE GENERA HOLORUSIA LOEW (0CTENACROSCELIS ENDERLEIN), ISCHNOTOMA SKUSE AND ZELANDOTIPULA ALEXANDER (DIPTERA: TIPULIDAE), WITH NOTES ON THEIR PHYLOGENY AND ZOOGEOGRAPHY.
R I Vane-Wright
Ann Mag Natur Hist 1(4,OCT-DEC):511-547 NAP REF
Dec 1967 410 AN77
Insect evolution, Insect taxonomy, Tipulidae, Zoogeography.

5162-69
A REVISION OF THE NEDTROPICAL GENUS METAMASIUS (COLEOPTERA, CURCULIONIDAE, RHYNCHOPHORINAE).
P Vaurie
Amer Mus Nat Hist Bull 136(4):175-268 MAP REF
1967 500 N483B
Curculionidae, Insect taxonomy, Metamasius, Zoogeography.

5163-69
THE ESTABLISHMENT OFA LECTOTYPE FOR LEPTOTROMBIDIUM (LEPTOTROMBIDIUM) AKAMUSHI (BRUMPT, 1910) (ACARINA: TROMBICULIDAE). (FR)
P H Vercammen-Grandjean
Acarologia 11(1):94-102 REF
Jan 1969 434.8 AC1
Insect taxonomy, Leptotrombidium, Mites, Trombiculidae, Zoogeography. English abstract.

5164-69
NOTES ON SYNOMYNUS OF AFRICAN REDUVIIDAE. (FR)
A Villiers
Inst Fondamental Afr Noire Bull Ser A Sci Natur 29(1):159-162
Jan 1967 515 D14
Catalogs, Insect taxonomy, Reduviidae.

5165-69
WHAT IS PSALLUS DILUTUS FIEBER 1858 (HEM.,HET.,MIRIDAE. (GE)
E Wagner
Deut Entomol Ges Mitt 20(5-6):74-78
15 Nov 1961 420 D482
Hemiptera, Heteroptera, Miridae, Nomenclature, Taxonomy.

5166-69
THE VALIDITY OF THE SEPARATION OF THRIPS PHYSAPUS L. AND T. HUKKINENI PRIESNER (THYSANOPTERA: THRIPIDAE).
L K Ward
Roy Entomol Soc London Trans 120(18):395-416 REF
31 Dec 1968 420 L84
Antennae, Insect biology, Insect morphology, Larvae, Oviposition, Taraxacum, Thripidae, Thrips hukkineni, Thrips physapus.

5167-69
THE INFECTION OF IMMATURE AQUATIC INSECTS BY LARVAL PARAGORDIUS (NEMATOMORPHA).
D A White
Great Basin Natur 39(1):44 REF
28 Mar 1969 410 G79
Aquatic insects, Baetidae, Brachycentridae, Corixidae, Ephemerellidae, Larvae, Leptophlebiidae, Nematomorpha, Paragordius, Pupae, Simuliidae.

5168-69
CATALOGUE OF THE COLEOPTERA CETONIIDAE IN THE LEIDEN MUSEUM. I. GOLIATHUS LAMARCK, SENSU LATO.
J T Wiebes
Leiden Rijksmus Natuur Hist Zool Mededel 43(3):19-40 MAP REF
25 Sep 1968 410.9 L59
Catalogs, Coleoptera, Insect taxonomy, Scarabaeidae.

5169-69
REDESCRIPTION OF SYCAPHAGINAE FROM CEYLON AND INDIA, WITH DESCRIPTION OF LECTOTYPES, AND A WORLD CATALOGUE OF THE OTITESELLINI (HYMENOPTERA, CHALCIDOIDEA, TORYMIDAE).
J T Wiebes
Tijdschr Entomol 110(13):399-442 REF
30 Dec 1967 421 T21
Catalogs, Insect taxonomy, Torymidae.

5170-69
COLEOPTERA: CANTHARIDAE, MALACHIIDAE AND DASYTIDAE FROM NEW CALEDONIA, NEW HEBRIDES AND FIJI IN BISHOP MUSEUM, HONOLULU.
W Wittmer
Pacific Insects 10(2):345-352
1968 421 P11
Cantharidae, Coleoptera, Insect taxonomy, Melyridae.

5171-69
SPIDER WASPS OF FINLAND (HYM., POMPILOIDEA). (FI)
H Wolf
Acta Entomol Fenn 23:7-46 MAP REF
1967 421 AC8
Hymenoptera, Insect taxonomy, Pompilidae, Zoogeography.

5172-69
REASSIGNMENT OF THE AMBIGUA GROUP OF PRISTIPHORA TO A NEW GENUS, SHARLIPHORA (HYMENOPTERA: TENTHREDINIDAE).
H R Wong
Can Entomol 101(3):332-335
Mar 1969 421 C16
Insect identification, Insect taxonomy, Tenthredinidae.

5173-69
A REVIEW OF SIMULIUM (PTERNASPATHA) ENDERLEIN (SIMULIIDAE, DIPTERA).
P Wygodzinsky S Coscaron
Amer Mus Nat Hist Bull 136(2):47-116 MAP REF
1967 500 N483B
Insect taxonomy, Simuliidae, Zoogeography.

5174-69
ARGAS (ARGAS) JAPONICUS, NEW SPECIES, ASSOCIATED WITH SWALLOWS IN JAPAN aND KOREA (IXODOIDEA, ARGASIDAE).
N Yamaguti C M Clifford V J Tipton
J Med Entomol 5(4):453-459
30 Oct 1968 421 J828
Argas japonicus, Argasidae, Birds, Insect identification, Insect taxonomy, Ixodides, Medical entomology, Parasitism.

5175-69
FATTY ACID COMPOSITION OF LIMITED USE IN APHID TAXONOMY.
W J Yurkiewicz
Entomol News (philadelphia) 80(4):85-87
Apr 1969 421 EN88
Aphididae, Chromatography, Fatty acids, Insect biochemistry, Insect taxonomy.

5176-69
THE MORPHOLOGY AND SYSTEMATIC OF COPTOPTERYX GAYI (BLANCHARD) 1851 (MANTIDAE). (SP)
S Zapata
Chile Univ Centro Estud Entomol Publ (8):23-44
1966 420 C432
Coptopteryx gayi, Illustrations, Insect biology, Insect morphology, Insect names, Insect taxonomy, Zoogeography. English summary.

The author studies the synonymy of the species Coptopteryx gayi.

5177-69
THE COSMOPOLITES BANANA WEEVILS (COLEOPTERA: CURCULIONIDAE: RHYNCHOPHORINAE).
E C Zimmerman
Pacific Insects 10(2):295-299
1968 421 P11
Bananas, Cosmopolites, Curculionidae, Insect identification, Insect taxonomy.

A taxonomic comparison of two species of weevils belonging to the genus Cosmopolites is presented. Both species are banana pests.

PHYSIOLOGY AND BIOCHEMISTRY

5178-69
FLYING BEETLES.
C E Abbott
Science 163(3874):1400
28 Mar 1969 470 SCI2
Coleoptera, Insect behavior, Insect flight, Mimicry. Letter to the editor concerning article in Science 163(38866)486-488.

5179-69
REMARKS ON SOME LARCH-FEEDING TORTRICIDS (LEPIDOPTERA, TORTRICIDAE).
S F Adamczewski
Pol Akad Nauk Inst Zool Ann Zool 25(5):5P
1967 410.9 W26
Feeding, Insect behavior, Larix, Laspeyresia, Tortricidae. Polish and Russian summaries.

5180-69
CONTINUOUS VARIATION IN RELATED SPECIES OF THE GENUS CATOCALA (NOCTUIDAE).
M S Adams M S Bertoni
Lepidopterists Soc J 22(4):231-236
1968 421 L554
Catocala, Insect morphology, Noctuidae, Statistical analysis.

5181-69
A COMPARATIVE ELECTROPHORESIS STUDY OF THE TRIATOMA RUBIDA COMPLEX (HEMIPTERA: REDUVIIDAE: TRIATOMINAE).
R R Adams R E Ryckman
J Med Entomol 6(1):1-18 REF
30 Jan 1969 421 J828
Electrophoresis, Hemolymph, Insect identification, Insect physiology, Medical entomology, Proteins, Reduviidae, Triatoma.

5182-69
THE INDUCTION OF NAD KINASE BY DDT IN TRIATOMA INFESTANS.
M Agosin J Ilivicky S Litvak
Can J Biochem 45(5):619-626 REF
May 1967 470 C16E
DDT, Enzymes, Kinases, Nymphs, Triatoma infestans.
Abstract

5183-69
SOME PROPERTIES OF THE MICROSOMAL SYSTEM METABOLIZING DDT IN TRIATOMA INFESTANS.
M Agosin N Scaramelli L Gil M E Letelier
Compar Biochem Physiol 29(2):785-793
May 1969 444.8 C73
DDT, Enzymes, Insect metabolism, Larvae, Microsomes, Triatoma infestans.

5184-69
ANTS IN THE HOME AND GARDEN; HOW TO CONTROL THEM.
U S D A Home Gard Bull (28):8P
Apr 1969 1 AG84HG
Accident prevention, Chemical control (insects), Chlordane, Chlorinated hydrocarbons, Diazinon, Dieldrin, Formicidae, Household insects, Insecticide application, Insecticides, Lindane, Malathion, Organophosphorus compounds, Social insects.

5185-69
HOW TO CONTROL BED BUGS.
U S D A Leafl (453):8P
Feb 1969 1 AG84L
Chemical control (insects), Chlorinated hydrocarbons, Cimex lectularius, DDT, Insecticide resistant insects, Insecticides, Malathion, Organophosphorus compounds, Pyrethrum, Ronnel, Spraying.

5186-69
WATCH FOR THE CEREAL LEAF BEETLE.
USDA PA- (550):4P
Jan 1964 1 AG84PRO
Grain, Insect identification, Insect pests, Oulema melanopus, Plant injuries, Plant pest control, Quarantine.

5187-69
CONTROLLING THE JAPANESE BEETLE.
U S D A Home Gard Bull (159):15P
Mar 1969 1 AG84HG
Accident prevention, Chemical control (insects), Chlordane, Chlorinated hydrocarbons, Cultural control (insects), DDT, Milky disease, Natural control (insects), Plant injuries, Popillia japonica, Toxaphene.

5188-69
HUGHES VIRUS FROM TRINIDADIAN TICKS AND TERNS.
T H G Aitken A H Jonkers E S Tikasingh C B Worth
J Med Entomol 5(4):501-503 MAP
30 Oct 1968 421 J828
Arboviruses, Birds, Ixodides, Medical entomology, Zoogeography.

5189-69
OXIDATIVE METABOLISM OF CARBOHYDRATES IN PHYTOPHAGOUS INSECTS. I. GLYCOLYSIS IN THE COTTON STAINER DYSDERCUS FASCIATUS SIGNORET (PYRRHOCORIDAE, HEMIPTERA).
M A Alikhan
Cur Sci 36(16):443
20 Aug 1967 475 SCI23
Carbohydrates, Dysdercus fasciatus, Glycolysis, Insect biochemistry, Insect metabolism, Phytophagous insects.

5190-69
ON THE MULTIPLE EFFECTS OF OEDYMERISM IN THE MALES OF NESOTHRIPS FALCATUS ANANTHAKRISHNAN.
T N Ananthakrishnan
Cur Sci 36(22):610-611
20 Nov 1967 475 SCI23
Development, Insect morphology, Thysanoptera.

5191-69
THE BIOLOGY OF THE CONENOSE BUG PARASITE, PIMELIAPHILUS PLUMIFER NEWELL AND RYCKMAN (ACARINA: PTERYGOSOMIDAE) (HEMIPTERA: REDUVIIDAE).
R C Anderson
J Med Entomol 5(4):473-477
30 Oct 1968 421 J828
Ectoparasites, Insect biology, Medical entomology, Pimeliaphilus plumifer, Pterygosomidae, Reduviidae.

5192-69
ECOLOGICAL OBSERVATIONS ON THREE SPECIES OF PIMELIAPHILUS PARASITES OF TRIATOMINAE IN THE UNITED STATES (ACARINA: PTERYGOSOMIDAE) (HEMIPTERA: REDUVIIDAE).
R C Anderson
J Med Entomol 5(4):459-464 REF
30 Oct 1968 421 J828
Ectoparasites, Insect ecology, Medical entomology, Pimeliaphilus plumifer, Pterygosomidae, Reduviidae, Triatominae.

5193-69
THE PHOTOPERIOD AS A CONTROL AGENT AGAINST ADOXOPHYES RETICULANA (LEPIDOPTERA; TORTRICIDAE).
G W Ankersmit
Entomol Exp Appl 11(2):231-240
1968 421 EN895
Culture media, Insect control, Photoperiodism, Tortricidae. German summary.

5194-69
BOMBS AWAY ON BUGS.
Anonymous
Nations Agr 44(2):15-16
Feb 1969 280.82 B89
Aerial spraying, Carbamates, Carbaryl, Chemical control (insects), Costs, Dimethoate, Insect pests, Pesticide application.

5195-69
HARD TO KILL PESTS OF FRUIT TREES - WOOLLY APPLE-APHID.
Anonymous
Fruit World Market Grower 69(9):34
10 Sep 1968 80 F948
Aphididae, Apples, Chemical control (insects), Citrus, Eriosoma lanigerum, Fruit trees, Insect identification, Insecticide resistant insects, Insecticides, Plant injuries, Spraying.

The following insecticides were tested: vamidothion, mevinphos, thiometon, dimethoate, demeton-s-methyl and menazon.

5196-69
EARLY SEASON INSECTS NO PROBLEM FOR B. A. JORDAN.
Anonymous
Miss Farmer 17(5):6
May 1969 6 M6992
Aphididae, Chemical control (insects), Chlorinated hydrocarbons, Crop yields, DDT, Insect pests, Insecticides, Plant injuries, Plant protection, Thysanoptera, Toxaphene.

5197-69
ULTRASTRUCTURE OF A CYTOPLASMIC POLYHEDROSIS VIRUS AFFECTING THE MONARCH BUTTERFLY, DANAUS PLEXIPPUS. I. DEVELOPMENT OF VIRUS AND NORMAL POLYHEDRA IN THE LARVA.
H J Arnott K M Smith S L Fullilove
J Ultrastruct Res 24(5/6):479-507 REF
Sep 1968 440.8 J822
Danaus plexippus, Insect diseases, Larvae, Polyhedroses, Virology.

5198-69
POLARIZED LIGHT OBSERVATIONS ON STRIATED MUSCLE CONTRACTION IN A MITE.
J F Aronson
J Cell Biol 32(1):169-179 REF
Jan 1967 442.8 J828
Insect physiology, Light, Microscopy, Mites, Muscles, Polarization, Tarsonemus.

5199-69
BROMOLYSERGIC ACID DIETHYLAMIDE IN PHYSIOLOGICAL STUDIES OF LEPIDOPTEROUS LARVAE.
W C Asher
J Econ Entomol 62(2):386-388
15 Apr 1969 421 J822
Amines, Bromolysergic acid diethylamide, Dorsal vessel, Gastrointestinal system, Indole, Insect physiology, Larvae, Lepidoptera, Paralysis.

5200-69
CONDITIONS OF FORMATION OF WATER RESERVOIRS-BREEDING PLACES OF BLOOD-SUCKING MOSQUITOES (CULICIDAE). (RUS)
G A Babayants
Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):565-570
1968 448.8 M469
Culicidae, Habitats, Insect rearing, Reservoirs. English summary.

5201-69
UNIT-HAIR RECEPTOR ACTIVITY FROM THE TELSON OF THE SCORPION, HETEROMETRUS FULVIPES.
K S Babo P S Reddy
Cur Sci 36(22):599-600
20 Nov 1967 475 SC123
Hair, Heterometrus fulvipes, Mechanoreceptors, Sound waves.

5202-69
STUDY OF VARIATIONS IN NEUROSECRETION AT THE LEVEL OF THE BRAIN AND THE SUB-ESOPHAGEAL GANGLION IN THE FEMALE IMAGOS OF RHODNIUS PROLIXUS (STAL) HEMIPTERA. (FR)
J C Baehr
Acad Sci Compt Rend Ser D Sci Nat 268(1, 1ST SEMESTER):151-154 REF
06 Jan 1969 505 P21
Insect physiology, Nervous system, Reduviidae, Rhodnius prolixus, Secretion.

5203-69
THE ARTHROPOD FAUNA OF SAMBHAR SALT LAKE, RAJASTHAN, INDIA.
I C Baid
Oikos 19(2):292-303 MAP REF
1968 410 O14
Aquatic insects, Arthropoda, Ecology, Marine biology, Surveys.

5204-69
EXPERIMENTS ON THE ETIOLOGY OF EUROPEAN FOUL BROOD OF THE HONEYBEE.
L Bailey N Locher
J Apicult Res 7(2):103-107 REF
1968 424.8 J82
Apis mellifera, Bacteria, European foulbrood, Insect diseases, Larvae.

5205-69
ANALYSIS OF BARK BEETLE MORTALITY IN SPRUCE FORESTS IN POLAND.
S Balazy
Ekol Pol Ser A (SER A)16(33):657-688 REF
1968 512 W263
Bionomics, Forest insects, Insect pests, Mortality, Scolytidae. Polish summary.

5206-69
REARING OF IPS CEMBRAE LARVAE ON ARTIFICAL DIETS: SOME ESSENTIAL AMINO ACIDS AND SUGARS.
R A Balogun
J Insect Physiol 15(1):141-148 REF
Jan 1969 421 J825
Amino acids, Insect diets, Insect metabolism, Insect rearing, Ips, Larvae, Sugars, Variance analysis.

5207-69
THE QUESTION OF RESISTANCE TO PESTICIDES.
B Banerjee
Tocklai Exp Sta Newslett 13(3):101-102
Sep 1966 68.18 T93
Chlorinated hydrocarbons, Insect pests, Insecticide resistant insects, Organophosphorus compounds, Pesticide application, Tea.

5208-69
NEW THRUST AGAINST BOLL WEEVILS.
B Barksdale
Farm Quart 24(1,SPRING):100-103,108-109,112
1969 6 F22995
Anthonomus grandis, Chemical control (insects), Insecticides.

5209-69
CHANGE IN THE PHOTIC REACTION DUE TO DDT IN THE GRAIN WEEVIL, SITOPHILUS GRANARIUS (L.)(COLEOPTERA: CURCULIONIDAE).
C A Barlow
Can J Zool 46(1):35-40 REF
Jan 1968 470 C16D
DDT, Light, Photosensitization, Sitophilus granarius.

5210-69
LOCOMOTORY RESPONSES TO TEMPERATURE IN THE GRAIN WEEVIL, SITOPHILUS GRANARIUS (L.) (COLEOPTERA: CURCULIONIDAE).
C A Barlow W D Kerr
Can J Zool 47(2):217-224
Mar 1969 470 C16D
Curculionidae, Insect behavior, Locomotion, Sitophilus granarius, Temperature.

5211-69
CAVE CARABIDAE (COLEOPTERA) OF MAMMOTH CAVE, PART II.
T C Barr
Psyche 74(1):24-26
Mar 1967 421 P95
Carabidae, Coleoptera, Insect ecology, Surveys. Part I. published in Psyche--vol. 73:284-287, Dec., 1966

5212-69
INFLATED PLASTIC BAGS AS CAGES FOR INSECTS ON POTTED PLANTS.
B R Bartlett G Kats
J Econ Entomol 62(2):524-525
15 Apr 1969 421 J822
Bags, Equipment, Insect cages, Insect rearing, Ornamental plants, Tetranychidae.

5213-69
HISTOPHYSIOLOGICAL STUDIES ON NEUROSECRETION IN THE VENTRAL NERVOUS SYSTEM OF RHODNIUS PROLIXUS STAL (HEMIPTERA) DURING THE IMAGO STAGE. (FR)
N Baudry
Acad Sci Compt Rend Ser D Sci Nat 268(1, 1ST SEMESTER):147-150 REF
06 Jan 1969 505 P21
Insect histology, Insect physiology, Nervous system, Reduviidae, Rhodnius prolixus, Secretion.

5214-69
OBSERVATION ON LASPEYRIA PACTOLANA ZELL.: A PYRALID OF VERTICILLATE PICEA. (FR)
R Baurant
Gembloux Inst Agron Etat Bull 3(2):217-225 MAP
1968 105.1 G285
Chemical control (insects), Cultural control (insects), Olethreutidae, Zoogeography. English summary.

The biology of Laspeyresia pactolana, its geographical distribution in Belgium and its chemical and cultural methods of control are discussed.

5215-69
INVESTIGATIONS INTO THE CIRCULATORY SYSTEM OF THE MIGRATORY LOCUST (LOCUSTA MIGRATORIA MIGRATORIOIDES TR. ET F., ORTH.) WITH SPECIAL REFERENCE TO THE BLOOD PRESSURE. (GE)
R Bayer
Z Vergleichende Physiol 58(1):76-135 REF
1968 444.8 Z3
Blood pressure, Circulatory system, Insect morphology, Insect physiology, Locusta migratoria migratorioides. English summary.

5216-69
CONTRIBUTION TO THE KNOWLEDGE OF THE COSMOPOLITES SORDIDUS (GERMAR)(COLEOPTERA, CURCULIONIDAE). (2). (IT)
F Beccari
Riv Agr Subtrop Trop 41(4-6,APR-JUN):131-150 REF
1967 26 AG82
Aldrin, Bananas, Chemical control (insects), Chlorinated hydrocarbons, Coleoptera, Cosmopolites sordidus, Curculionidae, Dieldrin, Insect biology, Insect morphology, Plant protection, Predaceous insects. English, French and Spanish summaries.

5217-69
WESTERN PINE BEETLE: FIELD RESPONSE TO ITS SEX PHEROMONE AND A SYNERGISTIC HOST TERPENE, MYRCENE.
W D Bedard P E Tilden D L Wood R M Silverstein R G Brownlee
Science 164(3885):1284-1285 REF
13 Jun 1969 470 SCI2
Attractants, Dendroctonus brevicomis, Insect behavior, Insect biochemistry, Myrcene, Pheromones, Predaceous insects, Synergism.

5218-69
NOTES ON SOME NEMATINAE FROM CZECHOSLOVAKIA (HYM., TENTHREDINIDAE).
K Benes
Acta Ent Bohemoslov 59(1):38-41 REF
1962 420 C33
Insect identification, Tenthredinidae, Zoogeography. Czech summary.

The six species of the subfamily Nematinae new to Czechoslovakia are Priophorus laevifrons, Hoplocampa alpina, Pontopristia amentorum, Pontopristia boreoalpina, Amauronematus leucopyga and Nematus frenalis.

5219-69
THE WING MECHANISM INVOLVED IN THE COURTSHIP OF DROSOPHILA.

H C Bennet-Clark A W Ewing
J Exp Biol 49(1):117-128 REF
Aug 1968 442.8 B77
Drosophila melanogaster, Insect behavior, Insect flight, Sex behavior, Wings (insects).

5220-69
A SEASONAL FORM OF BALIOCHILA SINGULARIS STEMPFFER AND BENNETT FROM SOUTHERN RHODESIA (LEPIDOPTERA: LYCAENIDAE).
N H Bennett
Entomologist (london) 102(1271):73-74
Apr 1969 421 EN8
Baliochila singularis, Butterflies, Insect morphology, Lycaenidae.

5221-69
THE TOXIC ACTION OF BACILLUS THURINGIENSIS EXOTOXIN ON DROSOPHILA REARED IN YEAST-CONTAINING AND YEAST-FREE MEDIA.
G Benz J M Perron
Experientia 23(10):871-872
15 Oct 1967 475 EX7
Bacillus thuringiensis, Biological assay, Culture media, Drosophila, Insect rearing, Toxicology, Yeasts.

5222-69
THE ACTION OF IONTOPHORETICALLY APPLIED GLUTAMATE ON INSECT MUSCLE FIBRES.
R Beranek P L Miller
J Exp Biol 49(1):83-93 REF
Aug 1968 442.8 B77
Acrididae, Electrophoresis, Glutamate, Insect biology, Locusta migratoria, Muscles, Schistocerca gregaria.

5223-69
PUPARIUM FORMATION IN FLIES: CONTRACTION TO PUPARIUM INDUCED BY ECDYSONE.
P Berreur G Fraenkel
Science 164(3384):1182-1183 REF
06 Jun 1969 470 SC12
Calliphora vicina, Ecdysone, Insect hormones, Insect physiology, Pupal cases.

5224-69
BEHAVIOR OF THE GERMAN COCKROACH, BLATTELLA GERMANICA (L.), IN RESPONSE TO SURFACE TEXTURES.
R Berthold
N Y Entomol Soc J 75(3):148-153
Sep 1967 420 N48J
Blattella germanica, Insect behavior, Surface finish.

5225-69
THE ACTION OF EXTRACTS OF PARASYMPATHETIC ORGANS AND CORPORA CARDIACA ON DIURESIS IN SEVERAL INSECTS. (FR)
N de Besse M Cazal
Acad Sci Compt Rend Ser D Sci Nat 266(6, 1ST SEMESTER):615-618 REF
05 Feb 1968 505 P21
Corpora cardiaca, Diuresis, Insect physiology, Locusta migratoria, Nervous system, Periplaneta americana.

5226-69
LEPTOCONOPS IRRITANS NOE' IN THE PROVINCE OF GROSSETO: CONTROL PROBLEMS. (IT)
S Bettini E Finizio
Riv Parassitol 29(1):33-47 REF
Mar 1968 436.8 R52
Insect behavior, Insect biology, Insect breeding, Insect control, Leptoconops irritans, Leptoconops kerteszi. English summary.

5227-69
STRUCTURE AND DEVELOPMENT OF VESICLES IN LARVAL TISSUE CULTURE OF AEDES AEGYPTI (L.).
U K M Bhat K R P Singh
J Med Entomol 6(1):71-74
30 Jan 1969 421 J828
Aedes aegypti, Insect histology, Larvae, Medical entomology, Tissue culture.

5228-69
COTTON PESTS CONTROL BY ULTRA LOW VOLUME SPRAYING FROM THE AIR.
G N Bhatia
Agr Aviation 8(3):81-82
Jul 1966 333.8 AG8
Aerial spraying, Chemical control (insects), Chlorinated hydrocarbons, Cotton, Dosage, Endrin, Insect pests, Insecticide application, Malathion, Organophosphorus compounds.

5229-69
STUDIES ON THE ANATOMY OF THE MALE REPRODUCTIVE SYSTEM OF THE RED-COTTON BUG, DYSDERCUS CINGULATUS (FABR.), (HETEROPTERA, PYRRHOCORIDAE).
R D S Bhatnagar P Singh
Panjab Univ Res Bull (N S)19(1-2):89-95
Jun 1968 513 EA72
Dysdercus cingulatus, Insect histology, Insect morphology, Pyrrhocoridae, Reproductive organs.

5230-69
NUTRITIONAL BEHAVIOR OF TROGODERMA GRANARIUM EVERTS (COLEOPTERA: DERMESTIDAE) ON LEGUMINOUS SEEDS.
A K Bhattacharya N C Pant
J Stored Prod Res 4(4):305-315 REF
Feb 1969 421 J829
Deficiency diseases, Dermestidae, Insect behavior, Legumes, Nutrition, Trogoderma granarium, Yeast cultures.

5231-69
THE CHELICERAL FLAGELLUM OF PSEUDOSCORPIONS.
C P Bishop
Ann Mag Natur Hist 1(3,JUL-SEP):393-397
Sep 1967 410 AN77
Chelonethida, Flagella, Insect morphology, Insect taxonomy, Metamorphosis.

5232-69
EFFECTS OF THE INHIBITOR OF XANTHINE DEHYDROGENASE, 4-HYDROXYPYRAZOLO(3,4 D)PYRIMIDINE (OR HHP) ON THE RED EYE PIGMENTS OF DROSOPHILA MELANOGASTER.
P Boni B De Lerma G Parisi
Experientia 23(3):186-187 REF
15 Mar 1967 475 EX7
Biochemistry, Drosophila melanogaster, Eyes, Insect physiology, Xanthine dehydrogenase.

5233-69
OBSERVATION ON THE SEX RATIO IN PIERIS BRASSICAE (L.) (LEPIDOPTERA-PIERIDAE).
J S Boparai
Panjab Univ Res Bull (N S)19(1-2):251-252
Jun 1968 513 EA72
Pieridae, Pieris brassicae, Population, Sex.

5234-69
NEW CONTRIBUTIONS TO THE STUDY OF CHALCIDS IN THE SOCIALIST REPUBLIC OF RUMANIA (XIV). (RUM)
M Botoc
Cluj Univ Babes Bolyai Stud Ser Biol 13(1):95-98 REF
1968 442.9 C62
Chalcididae, Insect collection, Insect identification, Reproductive organs, Zoogeography. English and Russian summaries. 13 species of 6 families are listed.

5235-69
PA RASITISM IN FALL POPULATIONS OF THE BOLLWORM (HELIOTHIS ZEA BODDIE) AND THE TOBACCO BUDWORM (HELIOTHIS VIRESCENS F.) FROM COTTON ON THE HIGH AND ROLLING PLAINS, 1967.
D G Bottrell D M Arnold
Tex Agr Exp Sta Progr Rep (2628):7P
Dec 1968 100 T31P (2)
Cotton, Heliothis virescens, Heliothis zea, Parasitism.

5236-69
EFFECTS OF RERODUCTIVE-DIAPAUSE BOLL WEEVIL (HELIOTHIS ZEA BODDIE) INSECTICIDAL CONTROL PROGRAMS ON THE ABUNDANCE OF BOLLWORMS AND TOBACCO BUDWORMS (HELIOTHIS VIRESCENS F.) IN COTTON IN THE ROLLING PLAINS OF TEXAS, 1967.
D G Bottrell D M Arnold L K Almand
Tex Agr Exp Sta Progr Rep (2621):10P REF
Dec 1968 100 T31P (2)
Azinphosmethyl, Chemical control (insects), Chlorinated hydrocarbons, Cotton, Heliothis virescens, Heliothis zea, Insecticides, Malathion, Reproduction.

5237-69
THE STUDY OF THE AERIAL MIGRATION OF INSECTS AS APPLIED TO PHYTO-SANITARY CONTROL. (FR)
L Bouyx
Phytoma 19(190,JUL-AUG):22-23
1967 464.8 P563
Insect migration, Insect populations, Insect traps, Spodoptera exigua. Experiments in various parts of the world are described.

5238-69
JUVENILE HORMONE: ACTIVITY OF NATURAL AND SYNTHETIC SYNERGISTS.
W S Bowers
Science 161(3844):895-897 REF
30 Aug 1968 470 SC12
Chemical control (insects), Insect biochemistry, Insect hormones, Insecticides, Juvenile hormone, Synergists.

5239-69
FRIEDRICH KLUGS MATERIAL OF SCOLIIDAE WITH ESPECIAL REFERENCE TO HIS TYPE-SPECIMENS.
J C Bradley J G Betrem
Deut Entomol Z 15(4-5):321-334
01 Oct 1968 421 D48
Catalogs, Hymenoptera, Insect taxonomy, Scoliidae.

5240-69
INSECTICIDAL OPERATIONS AGAINST CHIRONOMID MIDGES ALONG THE BLUE NILE.
A W A Brown D J McKinley H W Bedford M Qutubuddin
Bull Entomol Res 51(4):789-801
Jan 1960 421 B87
Chlorinated hydrocarbons, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Insecticide application, Tanytarsus lewisi.

5241-69
A REDESCRIPTION OF PTERONYSSOIDES TYRRELLI (CANESTRINI, 1899). A FEATHER MITE FROM THE TREE SWALLOW (ACARI-ACARIFORMES).
W A Bruce D E Johnston
Acarologia 11(1):104-120 REF
434.8 AC1
Acarina, Birds, Feathers, Insect taxonomy, Zoogeography.

5242-69
RESULTS OF CONSECUTIVE MATINGS OF FEMALE ANOPHELES GAMBIAE SPECIES B WITH FERTILE AND STERILE MALES.
J H Bryan
Nature 218(5140):489
04 May 1968 472 N21
Anopheles gambiae, Biological control (insects), Insect eggs, Insect pests, Medical entomology, Reproduction, Sterility.

5243-69
MECHANISM OF RHYTHMIC SYNCHRONOUS FLASHING OF FIREFLIES.
J Buck E Buck
Science 159(3821):1319-1327 REF
22 Mar 1968 470 SCI2
Central nervous system, Insect physiology, Lampyridae.

5244-69
CONTRIBUTION TO THE STUDIES OF THE ACTIVITY SPECTRA OF THE STRAINS OF BACILLUS THURINGIENSIS BERLINER.
A Burgerjon G Biache
294-296
1967 SB932.I5
Bacillus thuringiensis, Bacterial diseases (insects), Biological assay, Culture media, Lepidoptera. 24 species of Lepidoptera were tested with different strains of Bacillus thuringiensis.

5245-69
THE STANDARDIZATION OF PRODUCTS BASED ON BACILLUS THURINGIENSIS.
H D Burges
306-314 REF
1967 SB932.I5
Bacillus thuringiensis, Bacteria, Biological assay, Biological control (insects), Insect pests, Methodology.

5246-69
A LOW VOLUME SPRAY SYSTEM FOR TWIN-ENGINE AIRCRAFT USED IN MOSQUITO CONTROL.
W F Burgoyne N B Akesson
Calif Vector Views 16(2):17-18
Feb 1969 449.8 C12
Aerial spraying, Chemical control (insects), Culicidae, Insecticide application, Naled.

5247-69
EFFECTS OF TEMPERATURE ON DROSOPHILA--V. WEIGHT AND WATER, PROTEIN AND RNA CONTENT.
M J Burr A S Hunter
Compar Biochem Physiol 29(2):647-652 REF
May 1969 444.8 C73
Development, Drosophila, Insect biochemistry, Proteins, Ribonucleic acid, Temperature, Water.

5248-69
STUDIES ON THE SEX RATIO OF THE GYPSY MOTH.
R W Campbell
Forest Sci 13(1):19-22
Mar 1967 99.8 F7632
Aging, Metamorphosis, Porthetria dispar, Sex.

The sex ratio of the gypsy moth at the time of hatching was found to be 50:50; however, by the time of the fourth instar the ratio was 66:34, with more females. Results of this study provide a basis for evaluating the determinants of numerical change among the female components of gypsy moth populations.

5249-69
AN ACARID (ERYTHRAEIDAE) PARASITE OF JASSIDS (HOMOPTERA, AUCHENORRHYNCHA). (FR)
P Carle
Rev Zool Agr Appl 66(1-3, 1ST TRIMESTER):1L-19
1967 410.9 SO12
Acaridae, Cicadellidae, Homoptera, Insect biology, Natural control (insects), Parasitic insects.

5250-69
INSECT HORMONES: OLIVE OIL IS NOT AN INERT VEHICLE FOR HORMONE INJECTION INTO LOCUSTS.
D B Carlisle P E Ellis
Science 162(3860):1393-1394 REF
20 Dec 1968 470 SCI2
Biological assay, Insect biochemistry, Insect biology, Insect hormones, Olive oil, Schistocerca gregaria.

5251-69
BRACKEN AND LOCUST ECDYSONES: THEIR EFFECT ON MOLTING IN THE DESERT LOCUST.
D B Carlisle P E Ellis
Science 159(3822):1472-1474 REF
29 Mar 1968 470 SCI2
Acrididae, Ecdysone, Hormones, Insect physiology, Metamorphosis, Molting (insects), Pteridium, Schistocerca gregaria.

5252-69
ELECTRORETINOGRAM OF THE SCORPION ANDROCTONUS AUSTRALIS IN RESPONSE TO PERIODICAL ILLUMINATION. (FR)
P Carricaburu M Cherrak
Acad Sci Compt Rend Ser D Sci Nat 266(12, 1ST SEMESTER):1299-1301
18 Mar 1968 505 P21
Electrophysiology, Electroretinograms, Insect behavior, Photoperiodism, Scorpionida.

5253-69
CONTROL OF GRASSHOPPERS (PHAULACRIDIUM VITTATUM) BY ULTRA-LOW VOLUME AERIAL APPLICATION OF TECHNICAL MALDISON.
M Casimir
Australian J Exp Agr Anim Husb 8(34):631-636
Oct 1968 23 AU792
Aerial spraying, Chemical control (insects), Malathion, Phaulacridium vittatum, Ultra low volume application.

5254-69
THE GOLGI BODY ORIGIN AND THE DEVELOPMENT OF THE VACUOLARY BODIES IMPLIED IN THE DEGENERATION OF THE MOLT GLANDS OF LOCUSTA MIGRATORIA MIGRATORIOIDES (R. AND F.). (FR)
P Cassier M A Fain-Maurel
Acad Sci Compt Rend Ser D Sci Nat 266(12, 1ST SEMESTER):1290-1292
18 Mar 1968 505 P21
Glands (insects), Insect cytology, Insect physiology, Locusta migratoria migratorioides.

5255-69
THE EFFECTS OF IMPLANTATIONS OF CORPORA ALLATA ON REPRODUCTION OF COLLECTED FEMALES OF SCHISTOCERCA GREGARIA (FORSK.) AND ON THE POLYMORPHISM OF THEIR PROGENY. (FR)
P Cassier M Papillon
Acad Sci Compt Rend Ser D Sci Nat 266(10, 1ST SEMESTER):1048-1051
04 Mar 1968 505 P21
Corpora allata, Polymorphism, Reproduction, Schistocerca gregaria, Tissue transplants.

5256-69
ON THE PRESENCE OF MICROTUBULES IN THE ERGASTOPLASM AND THE PERINUCLEAR SPACE OF THE OENOCYTOIDS OF THE MIGRATORY LOCUST, LOCUSTA MIGRATORIA MIGRATORIOIDES (R. AND F.). (FR)
P Cassier M A Fain-Maurel
Acad Sci Compt Rend Ser D Sci Nat 266(7, 1ST SEMESTER):686-689 REF
12 Feb 1968 505 P21
Electron microscopy, Histochemistry, Insect cytology, Locusta migratoria migratorioides.

5257-69
INSECT VENOMS, ATTRACTANTS, AND REPELLENTS. XI. MASSOILACTONE FROM TWO SPECIES OF FORMICINE ANTS, AND SOME OBSERVATIONS ON CONSTITUENTS OF THE BARK OIL OF CRYPTOCARYA MASSOIA.
G W K Cavill D V Clark F B Whitfield
Australian J Chem 21(2):2819-2823
Nov 1968 475 AU73
Attractants, Camponotus, Chromatography, Extracts, Formicidae, Glands (insects), Insect repellents, Odors, Social insects, Venoms.

5258-69
SPRAYING IN MUSTARD IS A MUST.
B S Chahal H S Sukhija
Com Hort Floristry 5(3):14
Jan 1969 S19.P7
Aphididae, Brassica, Chemical control (insects), Insect pests, Insecticide application, Insecticides, Malathion, Menazon, Phosphamidon, Spraying.

5259-69
INCORPORATION OF TRITIATED THYMIDINE INTO THE OVARIAN DNA OF STABLE FLIES: EFFECTS OF TREATMENT WITH APHOLATE.
W F Chamberlain C C Barrett
Nature 218(5140):471-472
04 May 1968 472 N21
Apholate, Biological control (insects), Chemical control (insects), Chemosterilants, Deoxyribonucleic acid, Insect eggs, Insect genetics, Insect mutation, Stomoxys calcitrans, Thymidine.

5260-69
OVIPOSITION RESPONSES BY APHIDOPHAGOUS SYRPHIPAE (DIPTERA).
A E F Chandler
Nature 213(5077):736
18 Feb 1967 472 N21
Aphididae, Biological control (insects), Insect behavior, Insect eggs, Predaceous insects, Syrphidae.

5261-69
MECHANICAL TRANSMISSION OF TRYPANOSOMA LEWISI (KINETOPLASTIDA: TRYPANOSOMIDAE) BY RHODNIUS PROLIXUS (HEMIPTERA: REDUVIIDAE).
B N Chaniotis
J Med Entomol 5(4):509-511
30 Oct 1968 421 J828
Disease transmission, Insect physiology, Insect vectors, Medical entomology, Reduviidae, Rhodnius prolixus, Trypanosoma lewisi, Trypanosomidae.

5262-69
RESEARCH ON THE REACTIONS OF IPS SEXDENTATUS BOERNER TO TERPENIC FUMES OF SEVERAL CONIFERS. (FR)
C Chararas
Paris Acad Agr France Compt Rend Hebd Seances 53(3):226-231
1967 14 P215BC
Coniferae, Insect physiology, Ips sexdentatus, Terpenes.

5263-69
MODIFICATIONS OF THE BODIAN TECHNIQUE APPLIED TO INSECT NERVES.
J S Chen M G M Chen
Stain Technol 44(1):50-51
Jan 1969 442.8 ST1
Grasshoppers, Insect histology, Methodology, Nerves, Periplaneta americana, Staining.

5264-69
EVALUATION OF SOME PARAMETERS OF THE INDIVIDUAL ENERGY BUDGET OF THE LARVAE OF PTEROMALUS PUPARUM (L.) (PTEROMALIDAE) AND PIMPLA INSTIGATOR (FABR.) (ICHNEUMONIDAE).
J Chlodny
Ekol Pol Ser A (SER A)16(24):505-513
1968 512 W263
Energy, Ichneumonidae, Insect biology, Insect physiology, Larvae, Parameters, Parasitism, Pieris brassicae, Pteromalidae. Polish summary.

5265-69
PHYSIOLOGICAL MODIFICATIONS CAUSED BY THE PHOTOPERIOD DURING THE TIME PRECEEDING DIAPAUSE IN THE PIERIS BRASSICAE L. LARVAE. (FR)
J Claret
Acad Sci Compt Rend Ser D Sci Nat 266(11, 1ST SEMESTER):1156-1159
11 Mar 1968 505 P21
Insect physiology, Photoperiodism, Pieris brassicae.

5266-69
THE PHYSIOLOGY OF MOSQUITOES.
A N Clements
Int Ser Monogr Pure Appl Biol 17:393P REF
1963 428 C59
Circulatory system, Culicidae, Diapause, Feeding, Insect behavior, Insect eggs, Insect flight, Insect metabolism, Insect nutrition, Insect physiology, Insect reproduction, Larvae, Metamorphosis, Sense organs.

5267-69
EVOLUTIONARY TRENDS IN HETEROPTERA. PART I EGGS. ARCHITECTURE OF THE SHELL, GROSS EMBRYOLOGY AND ECLOSION.
R H Cobben
Wageningen Cent Landouwpubl Landbou Verslag Landbouwkund Ore (707):475P REF
1968 105.2 V61V
Entomology, Heteroptera, Insect biology, Insect eggs, Insect evolution, Insect morphology. Dutch summary.

5268-69
EFFECT OF FOOD AVAILABILITY ON RATES OF LOSS OF 45CALCIUM FROM HYPHANTRIA CUNEA (LEPIDOPTERA: ARCTIIDAE).
D C Coleman C D Monk J T Callahan
Can Entomol 101(3):328-332
Mar 1969 421 C16
Calcium, Hyphantria cunea, Insect nutrition, Isotopes, Parasitism.

5269-69
SELECTION FOR DIVERGENT EMIGRATION RATES IN LABORATORY POPULATIONS OF MUSCA DOMESTICA.
B Collier
Res Population Ecol 10(1):99-104 REF
Jun 1968 420 K99
Insect ecology, Insect migration, Insect rearing, Musca domestica, Population. Japanese summary.

5270-69
LIFE HISTORY NOTES ON LITHOPHANE SUBTILIS (NOCTUIDAE).
J A Comstock C Henne
Lepidopterists Soc J 23(1):15-18
1969 421 L554
Metamorphosis, Noctuidae, Zoogeography.

5271-69
D-AMINO ACIDS IN ANIMALS.
J J Corrigan
Science 164(3876):142-149 REF
11 Apr 1969 470 SC12
Amino acids, Animal physiology, Biochemistry, Deoxyribonucleic acid, Enzymes, Insect physiology, Metabolism, Ribonucleic acid, Serine.

5272-69
STERILIZATION OF FEMALE MOSQUITOES WITH A HORMONE DERIVED FROM MALE MOSQUITOES, PATENT 3,450,816.
G B Craig M Fuchs
Us Patent Office Offic Gaz 863(3):902
17 Jun 1969 156.65 OF2
Chemical control (insects), Chemosterilants, Culicidae, Insect hormones, Patents.

5273-69
SEX-DETERMINATION.
F A E Crew
Methuen And Co. Ltd., London, England 188P REF
1965 QP251.C7
Bacteria, Evolution, Genetics, Humans, Insects, Parthenogenesis, Plants, Sex determination.

5274-69
RATES OF COMPETITIVE EXCLUSION BY THE ARGENTINE ANT IN BERMUDA.
K L Crowell
Ecology 49(3):551-555 MAP REF SPRING
1968 410 EC7
Competition, Ecology, Iridomyrmex humilis, Pheidole megacephala, Population.

5275-69
CHEMOSTERILIZATION OF SCREW-WORM FLIES, COCHLIOMYIA HOMINIVORAX (COQUEREL) (DIPTERA: CALLIPHORIDAE): INFLUENCE OF AGE AT TREATMENT AND MATING, EFFECT ON SURVIVAL, AND TRANSFER OF CHEMOSTERILANT BY CONTAMINATION.
M M Crystal
J Med Entomol 5(4):439-445 REF
30 Oct 1968 421 J828
Biological control (insects), Bis(1-aziridinyl)phosphinyl)-3-(3,4-dichlorophenyl)urea, 1-(, Calliphoridae, Chemical control (insects), Chemosterilants, Cochliomyia hominivorax, Insect physiology, Medical entomology, Tetramethylene bis(1-aziridinecarboxamide), N,N'-.

5276-69
CHEMOSTERILANT-INDUCED INCREASE IN MATING ABILITY OF MALE SCREW-WORM FLIES (DIPTERA: CALLIPHORIDAE).
M M Crystal
J Med Entomol 6(1):90-91
30 Jan 1969 421 J828
Calliphoridae, Chemosterilants, Cochliomyia hominivorax, Insect behavior, Medical entomology.

5277-69
THE DEVELOPMENT OF FAT BODIES IN THE LARVAE OF CALLIPHORA ERYTHROCEPHALA MEIG,. (GE)
D Dahlhelm
Biol Zentralbl 86(3, MAY-JUN):273-301 REF
Jun 1967 442.8 B523
Calliphora vicina, Fat body, Insect morphology, Insect physiology, Larvae, Metamorphosis. English abstract.

5278-69
THE DISTRIBUTION AND HOST-RANGE OF THE SHOT-HOLE BORER (XYLEBORUS FORNICATUS EICHH.) OF TEA.
W Danthanarayana
Ceylon Tea Res Inst Tea Quart 39(3):61-69 REF
Sep 1968 68.18 C33
Host plants, Oriental region, Tea, Xyleborus, Zoogeography.

5279-69
ON THE FUNCTIONAL MORPHOLOGY OF WATER STRIDERS. I. THE MORPHOLOGY OF THE LOCOMOTIVE APPARATUS OF GERRIS LACUSTRIS L. (HETEROPTERA: GERRIDAE). (GE)
B Darnhofer-Demar
Zool Jahrbucher Abt Allg Zool Physiol Tiere 86(1):28-66 REF
1969 410 Z751Z
Gerridae, Insect behavior, Insect morphology, Locomotion, Muscles.

5280-69
SEROLOGICAL IDENTIFICATION. (FR)
H De Barjac
71-81 REF
1967 SB932.15
Bacteria, Diagnosis, Immunochemistry, Insect diseases, Methodology, Serological tests, Viruses. English summary.

5281-69
TWO MAJOR EFFECTS OF THE CORPUS ALLATUM IN THE ADULT COLORADO BEETLE (LEPTINOTARSA DECEMLINEATA SAY).
J De Wilde D Stegwee
Arch Neer Zool 23(1):277-289 REF
1958 410 AR27
Corpora allata, Diapause, Endocrine glands, Insect biology, Insect physiology, Leptinotarsa decemlineata, Photoperiodism.

5282-69
STUDIES OF HOUSE FLIES. I. BREEDING OF MUSCA SORBENS, WIED..
P J Dedras K Karnikar
Cur Sci 36(18):491-493
20 Sep 1967 475 SC123
Culture media, Insect morphology, Insect rearing, Life cycle, Musca, Tissue transplants.

5283-69
A NOTE ON THE FEEDING MECHANISM OF TWO FLEAS.
P J Dedras R S Prasad
Cur Sci 36(19):518-519
05 Oct 1967 475 SC123
Feeding, Insect physiology, Methodology, Mice, Mouth parts, Xenopsylla, Xenopsylla cheopis.

5284-69
PESTICIDE SAFETY IN YOUR HOME.
USDA PA- (895):7P
Dec 1968 1 AG84PRO
Accident prevention, Household pests, Pesticides.

5285-69
BIOLOGICAL OBSERVATIONS ON THE DESERT LOCUST (SCHISTOCERCA MIGRATORIA MIGRATORIOIDES) IN CHAD. (FR)
M Descamps
Agron Trop 22(6-7,JUN-JUL):641-662 MAP REF
Jul 1967 26 AG86
Insect ecology, Insect migration, Locusta migratoria migratorioides, Schistocerca gregaria. English and Spanish abstracts

5286-69
ON THE METABOLISM OF PTERINE AND ITS HYDROGEN DERIVATIVES IN COLIAS CROCEUS (FOURCROY) (LEPIDOPTERA PIERIDAE). (FR)
H Descimon
Acad Sci Compt Rend Ser D Sci Nat 268(2, 1ST SEMESTER):416-417 REF
13 Jan 1969 505 P21
Colias croceus, Insect biochemistry, Insect metabolism, Pieridae.

5287-69
CHANGES IN NEUROSECRETORY ACTIVITY AT DIFFERENT STAGES IN THE ADULT HYALOMMA DROMEDARII KOCH, 1844.
V Dhanda
Nature 214(5087):508-509
29 Apr 1967 472 N21
Cytology, Hyalomma dromedarii, Insect physiology, Ixodidae, Molting (insects).

5288-69
THE LOCALIZATION OF SPERMIDINE IN SALIVARY GLAND CELLS OF DROSOPHILA MELANOGASTER AND ITS EFFECT ON H-3-URIDINE INCORPORATION.
A S Dion E Herbst
Nat Acad Sci Proc 58(6):2367-2371 REF
Dec 1967 500 N21P
Amines, Aminopropyl)-1,4-butanediamine, N-(3-, Autoradiography, Biochemistry, Drosophila melanogaster, Radioactive tracers, Salivary glands (insects), Tritium, Uridine.

5289-69
PATHOGENS OF THE GYPSY MOTH.
C C Doane
200-203 REF
1967 SB932.15
Insect diseases, Polyhedroses, Porthetria dispar, Streptococcus faecalis, Viruses.

5290-69
BIOLOGICALLY ACTIVE COMPOUNDS IN ORCHID FRAGRANCES.
C H Dodson R L Dressler H G Hills R M Adams N H Williams
Science 164(3885):1243-1249 REF
13 Jun 1969 470 SC12
Attractants, Euglossini, Insect behavior, Insect biology, Odors, Orchidaceae.

5291-69
RATES OF EVOLUTION IN THE DERMAPTERA.
E J Dopham
Entomologist (london) 102(1271):75-79
Apr 1969 421 EN8

Dermaptera, Insect evolution, Reproductive organs.

5292-69

INTEGRATED CONTROL OF FRUIT TREE PESTS. ORCHARD MITES. ORCHARD INSECTS.

R S Downing H F Madsen

Canada Agr 14(1,WINTER):

1969 7 R31

Carpocapsa pomonella, Fruit, Insect pests, Integrated control (pests), Mites, Panonychus ulmi, Tetranychus mcdanieli.

5293-69

GROWTH, SPORULATION AND GERMINATION OF SPORES OF BACILLUS THURINGIENSIS VAR. THURINGIENSIS BERLINER.

A Drozdowic

Ekol Pol Ser A (SER A)16(34):689-698 REF

1968 512 W263

Bacillus thuringiensis, Biological control (insects), Culture media, Insecticides, Spore germination, Sporulation. Polish summary.

5294-69

BIOLOGY AND CONTROL OF LEOPARD MOTH ON PEAR TREES IN THE UNITED ARAB REPUBLIC.

M E Eldefrawi I Hanbal S M Hammad

Fao Plant Protect Bull 15:70-76 REF

Aug 1967 421 P692

Carbaryl, Chemical control (insects), DDT, Malathion, Metamorphosis, Pears, Plant pest control, Zeuzera pyrina.

5295-69

NICOTINAMIDE-ADENINE DINUCLEOTIDE-LINKED FORM OF LACTIC DEHYDROGENASE OF THE SYMBIONTS AND FAT BODIES OF A COCKROACH.

S Epstein L L Pierre

Nature 214(5087):488-489 REF

29 Apr 1967 472 N21

Biological assay, Blattidae, Coenzymes, Culture media, Fat body, Insect histology, Insect metabolism, Lactate dehydrogenase, Nicotinamide adenine dinucleotide.

5296-69

PIPERONYLIC ACID CONJUGATES WITH ALANINE, GLUTAMATE, GLUTAMINE, GLYCINE, AND SERINE IN LIVING HOUSEFLIES.

E G Esaac J E Casida

J Insect Physiol 14(7):913-925 REF

Jul 1968 421 J825

Allyl-1,2-(methylenedioxy)benzene, 4-, Amino acids, Biochemistry, Biosynthesis, Insect metabolism, Musca domestica, Piperonal, Piperonyl alcohol.

5297-69

THE CONTROL OF THE HOUSE FLY IN THE CITY OF TUNIS. (FR)

M Essafi J L Romain

Inst Pasteur Tunis Arch 45(1):85-109 REF

Mar 1968 448.3 IN72

Chemical control (insects), Insect migration, Larvicides, Musca domestica, Public health, Regulations. Aside from Musca domestica the article also applies to Calliphora and similar insects.

5298-69

PHORETIC COPULATION IN HYMENOPTERA.

H E Evans

Entomol News (philadelphia) 80(5):113-124

May 1969 421 EN88

Hymenoptera, Insect adaptation, Insect behavior, Insect evolution, Insect morphology, Sex behavior.

5299-69

ENTOMOPHTHOROUS FUNGI AS A NATURAL FACTOR IN DECREASING PEA APHID POPULATIONS.

A A Evlakhova E G Voronina

280-281

1967 SB932.15

Acyrthosiphon pisum, Biological control (insects), Climate, Entomophthoraceous fungi, Insect pests, Insect population control.

5300-69

OBSERVATIONS ON THE BIOLOGY AND BEHAVIOR OF CICINDELA HYBRIDA L. AND CICINDELA CAMPESTRIS L. AND EXPERIMENTAL ANALYSIS OF THEIR BEHAVIOR. (GE)

H Faasch

Zool Jahrbucher Abt Allg Zool Physiol Tiere 95(4):477-522 REF

196, 410 Z751Z

Cicindelidae, Insect behavior, Insect biology.

5301-69

SIMPLE, SAFE, EFFECTIVE FLY CONTROL FOR DAIRY FARMS.

J Falter M Senger

N C Univ Ext Ext Folder (241):5P

Mar 1969 275.29 N811EX

Chemical control (insects), Dairy farms, Insecticide application, Insecticides, Musca domestica, Stomoxys calcitrans.

5302-69

ON A NEW SPECIES OF MIRZAIELLA BASIR, 1942 FROM GRYLLOTALPA AFRICANA.

M N Farooqui

Riv Parassitol 29(1):21-24

Mar 1968 436.8 R52

Gryllidae, Gryllotalpa africana, Nematodes, Parasitism, Taxonomy. Italian summary.

5303-69

JUVENILE STERILITY IN MALE TICKS OF ORINTHODOROS THOLOZANI.

B Feldman-Muhsam Y Havivi

Nature 213(5074):422-423

28 Jan 1967 472 N21

Insect physiology, Ixodides, Spermatophores, Sterility.

5304-69

THE POSSIBILITIES OF THE MICROBIOLOGICAL CONTROL OF MELOLONTHA MELOLONTHA L. BY MEANS OF THE MYCOSIS CAUSED BY BEAUVERIA TENELLA (DELACR.) SIEMASZKO. (FR)

P Ferron

204-209 REF

1967 SB932.15

Beauveria tenella, Biological control (insects), Fungus diseases (insects), Melolontha melolontha. English summary.

5305-69

A SYNTHETIC ATTRACTANT FOR THE MALE SPRUCE BUDWORM MOTH CHORISTONEURA FUMIFERANA (CLEM.).

J A Findlay D R Macdonald C S Tang

Experientia 23(5):377-378

15 May 1967 475 EX7

Choristoneura fumiferana, Insect behavior, Sex attractants.

5306-69

ON THE REPRODUCTIVE BIOLOGY OF CHIRONOMUS NUDITARSIS STR,. (GE)

J Fischer

Rev Suisse Zool 76(1):23-55 REF

Mar 1969 410 R324

Chironomus nuditarsis, Insect behavior, Insect biology, Insect genetics, Insect rearing. English and French abstracts.

5307-69

THE IN VITRO PATHOGENESIS OF INSECT VIROSES. (FR)

O Flandre

6-21 REF

1967 SB932.15

In vitro, Insect diseases, Methodology, Microorganisms, Tissue culture, Virology.

5308-69

THE DIVERSITY OF CELL TYPES IN THE NEUROSECRETORY SYSTEM OF THE BEETLE BLAPS MUCRONATA.

B S Fletcher

J Insect Physiol 15(1):119-134 REF

Jan 1969 421 J825

Brain, Cells, Coleoptera, Insect histology, Insect physiology, Neurosecretion.

5309-69

RELATION OF EYE COLOR TO MOLTING IN PERIPLANETA AMERICANA L.

R Flint R L Patton

Brooklyn Entomol Soc Bull 54(5):140

Dec 1959 420 B79

Eyes, Insect physiology, Molting (insects), Periplaneta americana.

5310-69

ACTION SPECTRA FOR PHASE SHIFTS OF A CIRCADIAN PHYTHM IN DROSOPHILA.

K D Frank W F Zimmerman

Science 163(3868):688-689 REF

14 Feb 1969 470 SCI2

Drosophila pseudoobscura, Emergence, Insect physiology, Insect populations, Insect rearing.

5311-69

CENTRAL CONTROL OF AN INSECT SEGMENTAL REFLEX. II. ANALYSIS OF THE INHIBITORY INPUT FROM THE METATHORACIC GANGLION.

C H Fraser Rowell

J Exp Biol 50(1):191-201 REF

Feb 1969 442.8 B77

Central nervous system, Insect physiology, Reflexes, Schistocerca gregaria.

5312-69

AUSTRALIA'S HONEYPOT ANTS.

H Frauca

Entomologist (london) 102(1270):70-72

Mar 1969 421 EN8

Formicidae, Insect behavior, Insect ecology, Insect nests.

5313-69

PROCEDURES AND MATERIALS PERFECTED FOR THE REARING AND COLLECTION OF HOMOPTERANS (APHIDIDAE AND JASSIDAE) DURING VIRUS TRANSMISSION STUDIES. (FR)

A Fraval

Rev Zool Agr Appl 67(7-9, 3RD TRIMESTER):87-94 REF

1968 410.9 SO12

Aphididae, Cicadellidae, Insect collecting equipment, Insect rearing, Methodology.

5314-69

THE POLLINATION OF RUNNER BEANS (PHASEOLUS MULTIFLORUS) IN A GLASSHOUSE.

J B Free P A Racey

J Apicult Res 7(2):67-69

1968 424.8 J82

Apis mellifera, Bombus, Greenhouses, Insect behavior, Scarlet runner beans.

5315-69

TOBACCO INSECT CONTROL.

J C French

Ga Univ Coll Agr Ext Serv Circ (413):3P

Oct 1968 275.29 G29C

Baits, Chemical control (insects), Insect pests, Insecticides, Tobacco. Many insecticides were mentioned.

5316-69

NONSPECIFIC ESTERASES IN MOSQUITOS.

T A Freyvogel R L Hunter E M Smith

J Histochem Cytochem 16(12):765-790 REF

Dec 1968 381 J8222

Anopheles stephensi, Culicidae, Electrophoresis, Esterases, Insect biochemistry.

5317-69
TREHALOSE REGULATION OF GUCOSE-6-PHOSPHATE HYDROLYSIS IN BLOWFLY EXTRACTS.
S Friedman
Science 159(3810):110-111
05 Jan 1969 470 SCI2
Calliphoridae, Enzymes, Fat body, Glucose-6-phosphatase, Hydrolysis, Insect biochemistry, Insect histology, Phormia regina, Trehalose.

5318-69
STUDIES ON INTERSPECIES COMPETITION BETWEEN THE AZUKI BEAN WEEVIL AND THE SOUTHERN COWPEA WEEVIL. III. SOME CHARACTERISTICS OF STRAINS OF TWO SPECIES.
K Fujii
Res Population Ecol 10(1):87-98 REF
Jun 1968 420 K99
Adsuki beans, Bruchidae, Callosobruchus chinensis, Callosobruchus maculatus, Insect ecology, Insect rearing, Reproduction, Zoogeography. Japanese summary

5319-69
A SIMPLE METHOD FOR COUNTING LEAFHOPPER EGGS INSERTED IN PLANT ISSUE.
W M Gaddoura T V Venkatraman
Cur Sci 36(22):619
20 Nov 1967 475 SC123
Empoasca, Insect eggs, Methodology, Surveys.

5320-69
EFFECT OF CULTIVATION ON EMERGENCE OF EYE GNATS (HIPPELATES SPP.) IN SOUTH CAROLINA.
D M Gaydon T R Adkins
J Econ Entomol 62(2):312-314
15 Apr 1969 421 J822
Emergence, Hippelates, Insect collecting equipment, Tillage.

5321-69
THE IMAGINAL CELLS OF THE CLYPEOLABRUM AND THE DEVELOPMENT OF THE PROBOSCIS OF DROSOPHILA MELANOGASTER. (GE)
W Gehring S Seippel
Rev Suisse Zool 74(3):589-596
Dec 1967 410 R324
Cells, Drosophila melanogaster, Insect cytology, Insect morphology, Insect physiology, Mouth parts. English and French abstracts

5322-69
LONG-TERM REGULATION OF SUGAR INTAKE BY THE BLOWFLY.
A Gelperin V G Dethier
Physiol Zool 40(3):218-228 REF
Jul 1967 410 P56
Food habits, Fructose, Insect biochemistry, Insect nutrition, Phormia regina, Sucrose.

5323-69
FINAL REPORT, STUDIES ON SCALE INSECTS, FRUIT FLIES AND MITES, AND THEIR NATURAL ENEMIES IN WEST PAKISTAN; JUNE 1961-JUNE 1966. PART I. SCALE INSECTS.
M A Ghani
Commonwealth Inst Biol Contr Rep Pakistan 1 1961/1966(PT 1):51P REF
Jun 1966 SB975.G42
Biological control (insects), Coccoidea, Insect biology, Insect identification, Parasitism, Predaceous insects, Reports, Zoogeography.

5324-69
FINAL REPORT, STUDIES ON SCALE INSECTS, FRUIT FLIES AND MITES, AND THEIR NATURAL ENEMIES IN WEST PAKISTAN. JUNE 1961 - JUNE 1969. PART II. FRUIT FLIES.
M A Ghani
Commonwealth Inst Biol Contr Rep Pakistan 2 1961/1966(PT 2):87P MAP REF
Jun 1966 SB975.G42
Biological control (insects), Hibernation, Insect biology, Insect identification, Parasitism, Predaceous insects, Reports, Tephritidae, Zoogeography.

5325-69
FINAL REPORT. STUDIES ON SCALE INSECTS, FRUIT FLIES AND MITES, AND THEIR NATURAL ENEMIES IN WEST PAKISTAN, JUNE 1961 - JUNE 1966. PART III. MITES.
M A Ghani
Commonwealth Inst Biol Contr 3 1961/1966(PT 3):57P REF
Jun 1966 SB975.G42
Biological control (insects), Host indexing (plants), Insect pests, Mites, Predaceous insects, Reports.

5326-69
THE MALE GENETALIA OF SEPULLIA MURRAYI (FAIRMAIRE SIGNORET (HOMOPTERA: CERCOPOIDEA).
M S K Ghauri
Ann Mag Natur Hist 1(2,APR-JUN):169-171
Jun 1967 410 AN77
Cercopidae, Insect morphology, Reproductive organs.

5327-69
OBSERVATIONS IN KENYA ON THE FLIGHT ACTIVITY OF STORED PRODUCTS INSECTS, PARTICULARLY SITOPHILUS ZEAMAIS MOTSCH.
P H Giles
J Stored Prod Res 4(4):317-329 REF
Feb 1969 421 J829
Climate, Flight activity, Insect behavior, Sitophilus zeamais. Twelve species of stored-products insects are discussed.

5328-69
AIRBORNE FACTOR AFFECTING THE GROUPING BEHAVIOUR OF LOCUSTS.
S Gillett
Nature 218(5143):782-783
25 May 1969 472 N21
Insect behavior, Insect cultures, Insect rearing, Pheromones, Schistocerca gregaria.

5329-69
FEATURES OF MICROCLIMATIC REGIMEN OF HABITATS OF SANDFLIES IN A VILLAGE OF KARSHINSKY OASIS. (RUS)
F V Gitsu
Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):574-582 REF
1968 448.8 M469
Climate, Habitats, Human diseases, Insect diseases, Leishmaniasis, Medical entomology, Parasitic insects, Phlebotomus. English summary.

5330-69
PYRIDINE COMPOSITION AND METHOD FOR ATTRACTING INSECTS. PATENT 3,325,355.
L D Goodhue
Us Patent Office Offic Gaz 839(2):693
13 Jun 1967 156.65 OF2
Attractants, Chemical control (insects), Insecticides, Patents, Pyridine compounds.

5331-69
NOTES ON LARVAL HOST ACCEPTANCE IN A CALIFORNIA POPULATION OF PLEBEJUS ACMON (LYCAENIDAE).
G A Gorelick
Lepidopterists Soc J 23(1):31-32
1969 421 L554
Insect nutrition, Larvae, Lycaenidae, Plants.

5332-69
SYNECOLOGICAL STUDIES OF SOIL MACROENTOMOFAUNA IN TWO DIFFERENT AGRICULTURAL BIOTOPES.
M Gorny
Ekol Pol Ser A (SER A)16(20):412-443 REF
1968 512 W263
Environment, Feeding habits (insects), Insect ecology, Land, Soil fauna, Soil insects, Windbreaks. Polish summary.

5333-69
FAUNAL AND ZOOCENOLOGICAL ANALYSIS OF THE SOIL INSECT COMMUNITIES IN THE ECOSYSTEM OF SHELTERBELT AND FIELD.
M Gorny
Ekol Pol Ser A (SER A)16(14):297-324 REF
1968 512 W263
Insect ecology, Insect identification, Land, Soil insects, Windbreaks. Polish summary.

5334-69
COMPOSITION, STRUCTURE, AND MODE OF FORMATION OF MINERAL GRANULES IN THE MIDDLE INTESTINES OF THE HOMOPTERAN CERCOPIDAE. (FR)
J Gouranton
J Cell Biol 37(2):316-328 REF
May 1968 442.8 J828
Cercopidae, Chromatography, Electron microscopy, Homoptera, Insect histology, Insect physiology, Intestines, Minerals. English abstract.

5335-69
THE PRESENCE OF A DIFFERENTIATED CYTOPLASMIC ZONE AROUND THE NUCLEI IN THE CELLS OF THE MIDDLE INTESTINE OF CIXIUS NERVOSUS L. (HOMOPTERA, FULGOROIDEA). (FR)
J Gouranton
Acad Sci Compt Rend Ser D Sci Nat 266(8, 1ST SEMESTER):818-819
19 Feb 1968 505 P21
Electron microscopy, Fulgoroidea, Insect cytology, Intestines.

5336-69
EFFECTS ON AQUATIC INSECTS OF FOREST SPRAYING WITH PHOSPHAMIDON IN NEW BRUNSWICK.
C D Grant
Can Fish Res Board J 24(4):823-832 MAP
Apr 1967 442.9 C16J
Aquatic insects, Chemical control (insects), Insecticides, Organophosphorus compounds, Phosphamidon, Water pollution.
No harmful effects were detected on aquatic insects in streams of forested areas sprayed with phosphamidon. The resulting popuation dynamics are described.

5337-69
A SODIUM AND POTASSIUM STIMULATED ADENOSINE TRIPHOSPHATASE IN THE COCKROACH NERVE CORD.
A Grasso
Life Sci 6(18,PT 2):1911-1918 REF
15 Sep 1967 442.8 L62
Adenosine triphosphatase, Hemolymph, Insect biochemistry, Insect physiology, Microsomes, Nervous system, Periplaneta americana, Potassium, Sodium.

5338-69
FIELD STUDIES OF AN ATTRACTANT IN THE MALE BOLL WEEVIL.
J B Graves N W Earle J R Bradley D W Clower
La Agr 12(3,SPRING):14-15
1969 100 L939
Anthonomus grandis, Diapause, Insect biology, Insect traps, Methodology, Sex attractants.

5339-69
VPI COCKROACH RESEARCH.
J M Grayson
Pest Contr 37(4):18-24 REF
Apr 1969 449.8 EX8
Blatta orientalis, Blattella germanica, Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Insecticide resistant insects, Insecticides, Periplaneta brunnea, Zoogeography. Many chemical insecticides are mentioned.

5340-69
CONTROLLING INSECTS WITH FUROYLOXY-ALKENYL THIO PHOSPHATES. PATENT 3,433,865.
S B Greenbaum
Us Patent Office Offic Gaz 860(3):908

18 Mar 1969 156.65 OF2
Chemical control (insects), Furoyloxyalkenyl thio phosphates, Insecticides.

5341-69
BIBLIOGRAPHY OF NEW GUINEA ENTOMOLOGY.
J L Gressitt J J H Szent-Ivany
Pacific Insects (18):676P MAP
30 Oct 1968 421 P11
Bibliography, Entomology, Zoogeography. This bibliography lists 6140 references through 1967.

5342-69
EFFECT OF CERTAIN ALKYLATING AND NON-ALKYLATING CHEMOSTERILANTS ON CULEX FATIGANS WEID.
K K Grover M K K Pillai C M S Dass
Cur Sci 36(23):625-627
05 Dec 1967 475 SC123
Apholate, Chemosterilants, Culex quinquefasciatus, Hemel, Hempa, Insect reproduction, Metepa, Tepa, Toxicology.

5343-69
BLACUS-DANCES, EXPERIENCES AND STUDIES (BRACONIDAE, HYMENOPTERA). (GE)
K Gruhl
Deut Entomol Ges Mitt 26(3):49-51 REF
15 Jul 1967 420 D482
Braconidae, Chironomidae, Hymenoptera, Insect behavior, Insect physiology, Swarming. Second and concluding article.

5344-69
BLACUS-DANCES, EXPERIENCES AND STUDIES (BRACONIDAE, HYMENOPTERA). (GE)
K Gruhl
Deut Entomol Ges Mitt 26(2):33-36
15 May 1967 420 D482
Braconidae, Chironomidae, Insect behavior, Insect identification, Swarming. The author decribes the types of dances and the dancing societies of the Blacus types.

5345-69
METHOD OF KILLING PESTS BY APPLICATION OF AN O,ODILOWERALKYL PHOSPHORODITHIOYL METHYL-SUBSTITUTED MERCAPTOACETATE. PATENT 3,433,870.
A D Gutman J P Orr
Us Patent Office Offic Gaz 860(3):909
18 Mar 1969 156.65 OF2
Chemical control (pests), Diloweralkyl phosphorodithioyl methyl, O,O-, Habitats, Insects, Pesticide application, Thioglycolic acids.

5346-69
STUDIES ON CONTROL OF HOUSE FLIES IN EGYPT BY CHEMOSTERILANTS. I. LABORATORY STUDIES ON MUSCA DOMESTICA VICINA.
M Hafez M F Osman S El-Ziady A A El-Moursy M A S Erakey
J Econ Entomol 62(2):324-329 REF
15 Apr 1969 421 J822
Apholate, Biological control (insects), Chemical control (insects), Chemosterilants, Hempa, Metepa, Musca domestica vicina, Residues, Tepa.

5347-69
EFFECT OF THE AGE OF POLLEN USED IN POLLEN SUPPLEMENTS ON THEIR NUTRITIVE VALUE FOR THE HONEYBEE- II. EFFECT OF VITAMIN CONTENT OF POLLENS.
H H Hagedorn M Burger
J Apicult Res 7(2):97-101 REF
1968 424.8 J82
Apis mellifera, Feed supplements, Insect nutrition, Insect physiology, Pollen, Vitamins.

5348-69
EFFECT OF THE AGE OF POLLEN USED IN POLLEN SUPPLEMENTS ON THEIR NUTRITIVE VALUE FOR THE HONEYBEE. I. EFFECT ON THORACIC WEIGHT, DEVELOPMENT OF HYPOPHARYNGEAL GLANDS, AND BROOD REARING.
H H Hagedorn F E Moeller
J Apicult Res 7(2):89-95 REF
1968 424.8 J82
Apis mellifera, Feed supplements, Glands (insects), Insect diets, Insect nutrition, Insect physiology, Insect rearing, Pollen, Thorax.

5349-69
OBSERVATIONS ON TWO SPECIES OF CULEX OF THE SUBGENUS MELANOCONION.
J A Hair
Mosquito News 28(3):425-429
Sep 1968 421 M85
Culex, Insect behavior, Insect biology, Insect rearing, Ovulation.

5350-69
STUDIES ON OPILIOACARIDA (ARACHNIDA). II. REDESCRIPTION OF PARALARUS HEXOPHTHALMUS (REDIKORZEV).
L van der Hammen
Leiden Rijksmus Natuur Hist Zool Mededel 43(5):57-76
25 Sep 1968 410.9 L59
Acarina, Catalogs, Insect taxonomy, Opilioacharidae. English abstract

5351-69
NOTES ON THE MOSQUITOES OF THE ISLAMIC REPUBLIC OF MAURITANIA. (DIPT. CULICIDAE). (2). (FR)
J Hamon M Maffi P Grenier C S Ouedraogo D Djime
Soc Entomol France Ann 11(2):371-383 REF
1966 420 F84
Anopheles, Culicidae, Dieldrin, DDT, Insect ecology, Insect vectors, Insecticide resistant insects, Malaria.

5352-69
TRAIL LAYING IN THE SUBTERRANEAN ANT, ACANTHOMYOPS INTERJECTUS.
W Hangartner
J Insect Physiol 15(1):1-4
Jan 1969 421 J825
Acanthomyops interjectus, Insect behavior, Social insects.

5353-69
THE HEMLOCK SAWFLY IN SOUTHEAST ALASKA.
J S Hard D C Schmiege
US Forest Serv Res Pap PNW 65:1-12, MAP
1968 A99.9 F7625UNI
Fertility, Histology, Insect behavior, Insect migration, Insect morphology, Insect taxonomy, Laboratories, Neodiprion tsugae, Research.

5354-69
LIFE HISTORY OF HELIOLONCHE CAROLUS (NOCTUIDAE).
D F Hardwick
Lepidopterists Soc J 23(1):26-30
1969 421 L554
Insect behavior, Insect physiology, Metamorphosis, Noctuidae.

5355-69
DDT RESISTANCE IN ONCOPERA.
R J Hardy
Tasmanian J Agr 39(4):338-342
Nov 1968 23 T182T
Chemical control (insects), DDT, Dosage, Insect pests, Insecticide application, Larvae, Spraying.

5356-69
ELECTRON MICROSCOPIC AND BIOCHEMICAL CHARACTERIZATION OF COLLAGEN IN BLATTARIAN INSECTS.
E Harper S Seifter B Scharrer
J Cell Biol 33(2):385-393 REF
May 1967 442.8 J828
Blaberus craniifer, Collagen, Electron microscopy, Insect biochemistry, Leucophaea maderae.

5357-69
TOXICOLOGICAL STUDIES ON CUTWORMS. I. LABORATORY STUDIES ON THE TOXICITY OF INSECTICIDES TO THE DARK-SIDED CUTWORM.
C R Harris H J Svec
J Econ Entomol 61(3):788-793 REF
Jun 1968 421 J822
Biochemistry, DDT, Euxoa messoria, Experimental insects, Insecticides, Larvae, Research, Soil series, Toxicology.

5358-69
CONTROL HOME VEGETABLE GARDEN INSECTS.
E D Harris
Ga Univ Coll Agr Ext Serv Circ (594):7P
Feb 1969 275.29 G29C
Accident prevention, Chemical control (insects), Chlorinated hydrocarbons, Gardens, Insect pests, Insecticide application, Insecticides, Vegetables.

The following insecticides were mentioned: chlordane, diazinon, kelthane, lindane, malathion, tde, toxaphene sevin and dylox.

5359-69
MOSQUITOES FEEDING ON INSECT LARVAE.
P Harris D F Riordan D Cooke
Science 164(3876):184-185
11 Apr 1969 470 SC12
Aedes aegypti, Culex tarsalis, Insect behavior, Insect food, Insect nutrition, Larvae, Parasitism.

5360-69
ON THE BIOLOGY OF SIMULIUM DAMNOSUM THEOBALD, 1903, THE MAIN VECTOR OF ONCHOCERCIASIS IN THE MAHENGE MOUNTAINS, ULANGA, TANZANIA.
W Hausermann
Acta Trop 26(1):29-69 MAP REF
1969 475 AC8
Chemical control (insects), DDT, Epidemiology, Insect control, Insect ecology, Insect vectors, Onchocerciasis, Simulium damnosum, Zoogeography.

The ecology, population variations, and distribution of Simulium damnosum, the insect vector of human onchocerciasis in Tanzania are discussed. Control with DDT is recommended.

5361-69
THE PROBLEMS ASSOCIATED WITH THE STANDARDIZATION OF INSECT VIRUSES.
A M Heimpel
355-359
1967 SB932.15
Biological assay, Classification, Insect diseases, Viruses.

5362-69
THE MODIFICATION OF EMBRYOLOGIC DIFFERENTIATION PROCESSES THROUGH TOTAL RADIOTHERAPY IN EGGS OF GRYLLUS DOMESTICUS. (GE)
S Heinig
Zool Jahrbucher Abt Anat Ontog Tiere 84(4):425-492 REF
1967 410 Z751
Embryology, Gryllidae, Insect eggs, Insect physiology, Orthoptera, Radiation. German abstract

5363-69
A HERMAPHRODITE QUILAPHOETOSUS JANIRIOIDES (BLANCHARD). (LEPIDOPTERA, SATYRIDAE). (SP)
J Herrera
Chile Univ Centro Estud Entomol Publ (8):127-133
1966 420 C432
Hermaphroditism, Insect abnormalities, Insect physiology, Satyridae.

5364-69
RELATIONSHIP BETWEEN SEROTONIN AND THE CIRCADIAN RHTHYM IN SOME NOCTURNAL MOTHS.
C F Hinks
Nature 214(5086):386-387 REF
22 Apr 1967 472 N21
Brain, Diurnal rhythm, Insect biochemistry, Insect histology, Moths, Serotonin, Tryptophan.

5365-69
THE FLIGHT TIMES OF SOME NOCTURNAL MOTHS.
J M Hitchen E T Hitchen C M Jackson G H A Meers
Entomologist (london) 02(1271):80-85
Apr 1969 421 EN8
Diurnal rhythm, Insect behavior, Insect flight, Lepidoptera, Weather.

5366-69
INSECT-FLOWER ASSOCIATIONS IN THE HIGH ARCTIC WITH SPECIAL REFERENCE TO NECTAR.
B Hocking
Oikos 19(2):359-387 MAP REF
1968 410 O14
Dryas, Insect ecology, Insect populations, Nectar, Papaver, Pollination, Surveys.

5367-69
STUDY OF THE HEMOCYTES OF LOCUSTA MIGRATORIA L. (ORTHOPTERA). (FR)
J A Hoffmann
Arch Zool Exp Gen 108(2):259-291 REF
15 Sep 1967 410 AR24
Blood cells, Histochemistry, Insect physiology, Locusta migratoria, Molting (insects). English and German abstracts.

5368-69
METABOLISM OF ANILINE IN THE CATTLE TICK BOOPHILUS MICROPLUS CANESTRINI.
G M Holder A J Ryan
Life Sci 8(6,PT 2):313-318 REF
15 Mar 1969 442.8 L62
Aniline, Boophilus microplus, Insect biochemistry, Insect metabolism, Radioactive tracers.

5369-69
CONTRIBUTION TO THE PHYSIOLOGY OF THE GUEST-HOST-RELATIONS (MYRMECOPHILY) IN ANTS. I. THE RELATION BETWEEN THE MYRMECOPHILIC ATEMELES- AND LOMECHUSA-LARVAE AND FORMICA. (GE)
B Holldobler
Z Vergleichende Physiol 56(1):1-21 REF
1967 444.8 Z3
Acetone, Attractants, Extracts, Formicidae, Insect physiology, Parasitism, Radioactive tracers, Social insects. English summary.

5370-69
GAS-LIQUID CHROMATOGRAPHY ANALYSIS OF DDT METABOLISM IN AEDES AEGYPTI.
G H S Hooper
J Econ Entomol 61(3):858-859
Jun 1968 421 J822
Aedes aegypti, Assay, Biochemistry, Chromatography, DDT, Extracts, Insect physiology, Larvae, Metabolism, Water.

5371-69
MEDIUM AND LONG-TERM CHANGES IN THE BEHAVIOR OF VISUAL NEURONES IN THE TRITOCEREBRUM OF LOCUSTS.
G Horn C H F Rowell
J Exp Biol 49(1):143-169 REF
Aug 1968 442.8 B77
Acrididae, Brain, Insect physiology, Nervous system, Schistocerca gregaria, Vision.

5372-69
PIGMENT MOVEMENT AND THE CRYSTALLINE THREADS OF THE FIREFLY EYE.
G A Horridge
Nature 218(5143):778-779
25 May 1968 472 N21
Eyes, Insect anatomy, Insect morphology, Lampyridae, Optics, Pigments, Retina.

5373-69
MECHANISM OF THE INSECT EAR.
P F Howse
Nature 213(5074):367-369 REF
28 Jan 1967 472 N21
Insect anatomy, Legs, Locusta migratoria, Sense organs, Stridulation.

5374-69
ELECTRON MICROSCOPY FOR THE DIAGNOSIS OF INSECT DISEASES. (GE)
A M Huger
29-53 REF
1967 SB932.15
Diagnosis, Electron microscopy, Insect diseases, Methodology. English summary.

5375-69
HETEROTYLENCHUS SPP. PARASITISING THE AUSTRALIAN BUSH FLY: ADDITIONAL INFORMATION ON THE ORIGIN OF THE PARASITE OF THE FACE FLY.
R D Hughes W L Nicholas
J Econ Entomol 62(2):520-521
15 Apr 1969 421 J822
Heterotylenchus, Musca autumnalis, Parasitism, Sphaerulariidae, Zoogeography.

5376-69
THE INFLUENCE OF THE DURATION OF COPULATION ON THE FERTILITY OF THE FEMALES OF ACANTHOSCELIDES OBTECTUS SAY (INSECTA COLEOPTERA). (FR)
J Huignard
Acad Sci Compt Rend Ser D Sci Nat 266(12, 1ST SEMESTER):1311-1313
18 Mar 1968 505 P21
Acanthoscelides obtectus, Copulation, Fertility, Insect behavior, Reproduction, Sex behavior.

5377-69
UPTAKE OF ATMOSPHERIC WATER BY THE HEN FLEA CERATOPHYLLUS GALLINAE (SCHRANK).
D A Humphries
Nature 214(5086):426
22 Apr 1967 472 N21
Ceratophyllus gallinae, Insect physiology, Metamorphosis, Water consumptive use.

5378-69
THE INFLUENCE OF ENVIRONMENTAL FACTORS. (FR)
B Hurpin
135-161 REF
1967 SB932.15
Biological control (insects), Climate, Environment, Epizootic diseases, Microbiology, Soil properties. English summary.

5379-69
METEOROLOGICAL ASPECTS OF INSECT MIGRATIONS.
G W Hurst
Endeavour 28(104):77-81 MAP REF
May 1969 472 EN2
Insect migration, Meteorology, Myzus persicae, Schistocerca gregaria, Spodoptera exigua.

A study is made of wind currents and the migration of insects. Migratory behavior of Spodoptera exigua, Myz00 persicae, Phytometra biloba and Schistocerca gregaria are analyzed.

5380-69
EFFECTS OF FOREST SPRAYING WITH DDT ON AQUATIC INSECTS OF SALMON STREAMS IN NEW BRUNSWICK.
F P Ide
Can Fish Res Board J 24(4):769-805 MAP REF
Apr 1967 442.9 C16J
Aquatic insects, Chemical control (insects), DDT, Insect populations, Insecticide residues, Insecticides, Water pollution.

The changes in aquatic insect populations were analyzed after aerial applications of DDT were made in forested areas of New Brunswick.

5381-69
POSSIBILITIES OF MASS-PRODUCING INSECT PATHOGENS.
C M Ignoffo
91-117 REF
1967 SB932.15
Biological control (insects), Cultural control (insects), Insect diseases, Insecticide resistant insects, Methodology, Microbial insecticides, Microorganisms.

5382-69
INFECTION RATE OF CULEX PIPIENS L. MOSQUITOES WITH PARASITIZING FUNGUS ENTOMOPHTHORA CONGLOMERATA SOROK. IN THE VICINITY OF NOVOCHERKASSK. (RUS)
L Y Ilchenko
Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):613-615
1968 448.8 M469
Culex pipiens, Entomophthora, Fungus diseases (insects), Habitats, Parasitism, Vegetation. English summary.

5383-69
A NOTE ON THE ANATOMICAL DERANGEMENT IN THE ROOT TISSUE OF ROOT (WILT) DISEASED COCONUT PALM.
P Indira A Ramadasan
Cur Sci 37(10):290-291
20 May 1968 475 SC123
Coconuts, Phytopathology, Plant morphology, Roots, Virus diseases (plants), Wilt (coconuts).

5384-69
TEMPERATURE EFFECTS ON THE TOXICITY OF FIVE INSECTICIDES AGAINST FIVE SPECIES OF STORED-PRODUCT INSECTS.
N T Iordanou F L Watters
J Econ Entomol 62(1):130-135 REF
17 Feb 1969 421 J822
Bromophos, Chemical control (insects), Cryptolestes ferrugineus, DDT, Insecticides, Lindane, Malathion, Methoxychlor, Oryzaephilus surinamensis, Temperature, Toxicology, Tribolium castaneum, Tribolium confusum.

5385-69
DECREASE IN IMMUNITY OF INSECTS UNDER THE INFLUENCE OF BACTERIAL INFECTION TRANSMITTED BY HYMENOPTEROUS PARASITES.
N P Isakova T S Moiseeva
281-282
1967 SB932.15
Bacterial diseases (insects), Disease transmission, Epizootic diseases, Hymenoptera, Immunology, Parasitism.

5386-69
OVARIAN RESPONSE TO CORPUS ALLATUM IN IPHITA LIMBATA STAL..
P I Ittycheriah K K Nayar
Cur Sci 36(22):608-609
20 Nov 1967 475 SC123
Corpora allata, Insect physiology, Insect reproduction, Iphita limbata, Juvenile hormone, Ovaries.

5387-69
GESAPON FOR INSECT PESTS.
Weeds Tech Bull (219):4P
1966 79.9 W323
Chemical control (insects), Diazinon, Equipment, Insect pests, Insecticides, Organophosphorus compounds.

The insect pests mentioned were armyworm, black field cricket, diamond back moth, nysius, springtail and grass grub.

5388-69
DIFFERENCES IN LIGHT REACTIONS OF LARVAE OF THE ARMYWORM LEUCANIA

SEPARATA WALKER IN RELATION TO THEIR PHASE STATUS.
S Iwao
Nature 213(5079):941-942
04 Mar 1967 472 N21
Insect behavior, Insect physiology, Larvae, Leucania separata, Light.

5389-69
LABORATORY TESTS OF LARVICIDES FOR MOSQUITO CONTROL IN POTABLE WATERS. (ABSTRACT).
W L Jakob
Pesticide Progr 5(3):74
May 1967 79.8 P434
Aedes aegypti, Chemical control (insects), Dieldrin, DDT, Insecticide residues, Insecticide resistant insects, Larvicides, Water. This abstract is from Mosquito News 25 (3): 316-319. 1965.

5390-69
CHEMOSTERILIZATION OF THE TWO-SPOTTED SPIDER MITE. I. EFFECT OF CHEMOSTERILANTS ON THE BIOLOGY OF THE MITE. II. HISTOPATHOLOGICAL EFFECT OF APHOLATE AND 5-FLUOROURACIL ON THE REPRODUCTIVE ORGANS.
M Jalil P E Morrison
J Econ Entomol 62(2):393-403 REF
15 Apr 1969 421 J822
Apholate, Biological control (insects), Chemical control (insects), Chemosterilants, Fluoroorotic acid, 5-, Fluorouracil, 5-, Histopathology, Insect biology, Insect mortality, Reproductive organs, Sterility, Tepa, Tetranychus urticae.

5391-69
CHEMOSTERILIZATION OF THE TWO-SPOTTED SPIDER MITE. IV. EFFECT ON POPULATION.
M Jalil P E Morrison
J Econ Entomol 62(2):415-419 REF
15 Apr 1969 421 J822
Apholate, Biological control (insects), Chemical control (insects), Chemosterilants, Fluoroorotic acid, 5-, Fluorouracil, 5-, Insect populations, Tepa, Tetranychus urticae.

5392-69
OBSERVATIONS ON VARIOUS TREATMENTS APPLIED IN LEBANON IN 1966 AGAINST CERATITIS CAPITATA WIED. (FR)
A Jalloul
Fruits 23(8):415-421
Sep 1968 80 F9492
Attractants, Ceratitis capitata, Chemical control (insects), Dimethoate, Fenthion, Formothion, Insect biology, Phosphamidon, Spraying.

5393-69
CERTAIN HOST-PARASITE RELATIONSHIPS BETWEEN RODENTS (MURIDAE) AND FLEAS (APHANIPTERA).
S M Janion
Ekol Pol Ser A (SER A)16(28):561-607 REF
1968 512 W263
Insect behavior, Insect ecology, Parasitism, Rodents, Siphonaptera. Polish summary.

5394-69
INSECT ANSWERS; INSECTICIDE TOXICITY TO ALFALFA-POLLINATING BEES.
C Johansen A H Retan
Wash State Univ Ext E M (2784):2P
Jan 1969 275.29 W27MI
Alfalfa, Bees, Insect pollinators, Insecticides, Plant protection, Toxicology. Many insecticides are listed.

5395-69
INSECTS AND RELATED PESTS OF HOUSE PLANTS; HOW TO CONTROL THEM.
G V Johnson F F Smith
U S D A Home Gard Bull (67):16P
Jan 1969 1 AG84HG
Chemical control (pests), Chlordane, Chlorinated hydrocarbons, DDT, Household pests, Insect pests, Lindane, Malathion, Organophosphorus compounds, Pesticide application, Rotenone, Spraying. Many household pests were discussed.

5396-69
CHANGES IN THE HEMOCYTE PICTURE OF GALLERIA MELLONELLA (LINNAEUS).
J C Jones
Biol Bull 132(2):211-221
Apr 1967 442.8 B52
Blood cells, Galleria mellonella, Hemolymph, Insect cytology, Metamorphosis.

5397-69
SPERMATOCYSTS IN AEDES AEGYPTI (LINNAEUS).
J C Jones
Biol Bull 132(1):23-33
Feb 1967 442.8 B52
Aedes aegypti, Insect histology, Insect physiology, Metamorphosis, Spermatocytes, Spermatogenesis.

5398-69
REDUCTION OF FLIGHT ORGANS IN SOME CRYPTOBRACHYPTEROUS LYGAEIDAE (HEM., HET., LYGAEIDAE). (GE)
K H C Jordan
Deut Entomol Ges Mitt 20(4):59-62
15 Aug 1961 420 D482
Hemiptera, Heteroptera, Insect flight, Lygaeidae, Physiology, Viscera, Wings (insects).

5399-69
CYTODIFFERENTIATION DURING INSECT METAMORPHOSIS: THE GALEA OF SILKMOTHS.
F C Kafatos N Feder
Science 161(3840):470-472
02 Aug 1968 470 SCI2
Antheraea pernyi, Antheraea polyphemus, Cytology, Deoxyribonucleic acid, Enzymes, Metamorphosis, Ribonucleic acid, Synthesis.

5400-69
RECORD OF A TACHINID PARASITE, ALSOMYIA ANOMALA VILLEN, SESAMIA INFERENS WLK..
A N Kalra T N Srivastava
Cur Sci 36(2):51
20 Jan 1967 475 SC123
Sesamia inferens, Tachinidae.

5401-69
HISTO-MORPHOLOGY OF THE OVARIOLE IN PHEROSOPHUS HILARIS, FABR. (CHRABIDAE: COLEOPTERA).
N P Kalyanam K Shanmugham
Cur Sci 37(4):105-106
20 Feb 1968 475 SC123
Carabidae, Insect histology, Reproductive organs.

5402-69
FLUCTUATIONS IN NUMBERS AND REDUCTION OF THE COLORADO BEETLE (LEPTINOTARSA DECEMLINEATA SAY) IN NATURAL CONDITIONS.
J Karg P Trojan
Ekol Pol Ser A (SER A)16(5):147-169 REF
1968 512 W263
Insect eggs, Insect populations, Larvae, Leptinotarsa decemlineata, Natural control (insects). Polish summary.

5403-69
METABOLISM OF THE MUSCLE OF THE SCORPION.
G Kaur M S Kanungo
Life Sci 6(2,PT 2):113-117 REF
15 Jan 1967 442.8 L62
Enzymes, Glycolysis, Insect metabolism, Muscles, Scorpionida.

5404-69
FATTY ACID METABOLISM IN D. MELANOGASTER: FORMATION OF PALMITOLEATE.
A D Keith
Life Sci 6(2,PT 2):213-218 REF
15 Jan 1967 442.8 L62
Drosophila melanogaster, Fatty acids, Hexadecenoic acid compounds, 9-, Insect biochemistry, Insect metabolism, Radioactive tracers.

5405-69
COMMON SOYBEAN INSECTS.
D L Keith R E Roselle L W Anderson
Nebr Univ Ext Ec (69-1521):2P
1969 275.29 N272EX
Insect pests, Insect physiology, Soybeans. Fifteen different soybean insects are discussed.

5406-69
INCIDENCE OF BACILLUS POPILLIAE (DUTKY) IN COSTELYTRA ZEALANDICA (WHITE) LARVA.
J M Kelsey
New Zeal Entomol 3(5):67-68
Dec 1966 421 N48
Bacillus popilliae, Bacteria, Biochemistry, Costelytra zealandica, DDT, Larvae, Population, Statistical analysis, Superphosphates.

5407-69
BIOSYSTEMATICS OF PHYTOSEIULUS PERSIMILIS ATHIASHENRIOT (ACARINA: PHYTOSEIIDAE).
C E Kennett L E Caltagirone
Acarologia 10(4):563-577 REF
Dec 1968 434.8 AC1
Amblyseius, Biological control (insects), Insect biology, Insect genetics, Insect rearing, Insect taxonomy, Mites, Phytoseiulus persimilis, Tetranychus urticae, Zoogeography.

5408-69
BIOCHEMICAL CORRELATES OF RESPIRATORY AND DEVELOPMENTAL CHANGES IN ANOXIC TRIBOLIUM CONFUSUM PUPAE.
G S Kennington S Cannell
Physiol Zool 40(4):403-408
Oct 1967 410 P56
Anoxia, Fats, Insect biochemistry, Insect morphology, Insect respiration, Lactic acid, Metamorphosis, Pupae, Tribolium confusum.

5409-69
INVESTIGATIONS CONCERNING RESISTANCE TO COLD OF ARANEUS CORNUTUS (ARANEIDAE). (GE)
W Kirchner P Kestler
J Insect Physiol 15(1):41-53 REF
Jan 1969 421 J825
Hibernation, Insect physiology, Spiders, Temperature. English summary.

5410-69
THE SIGNIFICANCE OF OVIPOSITION RATES IN THE EGG PARASITE, TRICHOGRAMMA EMBRYOPHAGUM HTG..
H Klomp B J Teerink
Arch Neer Zool 17(3):350-375 REF
Nov 1967 410 AR27
Insect ecology, Insect eggs, Ovulation, Population, Trichogramma embryophagum.

5411-69
GRASSHOPPER CONTROL, 1969.
G F Knowlton
Utah State Univ Ext Ext Leafl (75):11P
1969 275.29 UTIL
Accident prevention, Alfalfa, Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Grasshoppers, Insect pests, Insecticide application, Insecticides, Methodology, Organophosphate compounds, Pastures.

5412-69
ACTION OF PROTEINIC BRAIN HORMONE TO THE PROTHORACIC GLAND IN AN INSECT, BOMBYX MORI L. (LEPIDOPTERA: BOMBYCIDAE).
M Kobayashi Y Ishitoya M Yamazaki
Appl Entomol Zool 3(3):150-152
Sep 1968 SB599.A6
Bombyx mori, Brain, Hormones, Insect biology, Nucleic acids, Proteins, Ribonucleic acid.

5413-69
ESTIMATION OF THE INDIVIDUAL NUMBER ENTERING EACH DEVELOPMENT STAGE IN AN INSECT POPULATION.
S Kobayashi
Res Population Ecol 10(1):40-44 REF
Jun 1968 420 K99
Insect ecology, Insect eggs, Insect physiology, Insect rearing, Mortality, Pieris rapae, Population, Reproduction. Japanese summary.

5414-69
CHLORINATED HYDROCARBON INSECTICIDE INHIBITION OF COCKROACH AND HONEY BEE ATPASES.
R B Koch L K Cutkomp F M Do
Life Sci 8(6,PT 2):289-297 REF
15 Mar 1969 442.8 L62
Apis mellifera, Chlordane, Chlorinated hydrocarbons, Dicofol, DDT, Insect metabolism, Insecticide resistant insects, Insecticides, Lindane, Periplaneta americana, Toxicology.

Specific enzyme inhibitory activities of DDT and its derivatives, dicofol, chlordane and lindane have been studied on Na&-K& ATPase and Mg& ATPase from nerve cord and muscle tissue of the American cockroach and brain from worker honey bees. There were considerable differences in magnitude of inhibition and in the type of ATPase inhibition by the different insecticides acting on the different tissues.

5415-69
ON ECOLOGY AND PHENOLOGY OF HEPTATOMA PELLUCENS F. (TABANIDAE, DIPTERA). (RUS)
O F Kolesova
Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):585-588
1968 448.8 M469
Diptera, Insect ecology, Larvae, Reservoirs, Tabanidae. English summary.

5416-69
THE EFFECT OF BAROMETRIC PRESSURE AND OTHER FACTORS ON ECLOSION OF THE CABBAGE BUTTERFLY PIERIS RAPAE (PIERIDAE).
J M Kolyer H B Palmer
Lepidopterists Soc J 22(4):211-225 REF
1968 421 L554
Barometric pressure, Insect physiology, Pieris rapae.

5417-69
CONTRIBUTION TO THE STUDY OF HIGHER TERMITE DIGESTION. (FR)
J Kovoor
Paris Acad Agr France Compt Rend Hebd Seances 53(4):331-332
1967 14 P215BC
Bacteria, Cytology, Digestion, Insect histology, Insect morphology, Insect physiology, Isoptera.

5418-69
RADIOGRAPHIC STUDY OF INTESTINAL TRANSIT IN A HIGHER TERMITE. (FR)
J Kovoor
Experientia 23(10):820-821
15 Oct 1967 475 EX7
Gastrointestinal system, Insect physiology, Isoptera, Radiography. English abstract.

5419-69
AN OCTOSPOREOSIS OF THE BLACK BLOWFLY PHORMIA REGINA: EFFECT OF TEMPERATURE ON THE LONGEVITY OF DISEASED ADULTS.
J P Kramer
Tex Rep Biol Med 26(2,SUMMER):199-204
1968 448.8 T31
Insect diseases, Longevity, Octosporea, Phormia regina, Protozoa, Temperature.

5420-69
INDUCED VIRESCENT-BUD MUTATION IN GOSSYPIUM HIRSUTUM.
R Krishnaswami
Cur Sci 36(14):387
20 Jul 1967 475 SCI23
Coccus viridis, Entomophthora, Fungus diseases (insects), Morphology.

5421-69
SOME REGULARITIES IN THE ZONAL DISTRIBUTION OF ORIBATOID MITES. (RU)
D A Krivolutsky
Oikos 19(2):339-344
1968 410 O14
Humidity, Insect ecology, Oribatei, Solar radiation, Vegetation. English abstract.

5422-69
NOTES ON THE SWEDISH SPECIES OF THE GENUS CENTROMERUS F. DAHL. (ARANEAE, LINYPHIIDAE). A FAUNISTIC REPORT WITH ECOLOGICAL REMARKS.
T Kronestedt
Entomol Tidskr 89(1-2):111-127 MAP REF
10 Aug 1968 421 EN891
Ecology, Life cycle, Linyphiidae, Spiders, Zoogeography. English abstract

5423-69
CO-RESISTANCE AND RESISTANCE INHERITANCE IN A DIELDRIN RESISTANT LABORATORY STOCK OF THE CLOTHES MOTH (TINEOLA BISSELLIELLA (HUM.), LEP.). (GE)
H Kuhne
Zool Beitr 13(2-3):397-407 REF
1967 410 Z753
Chlordane, Dieldrin, DDT, Endrin, Inheritance, Insect breeding, Insecticide resistant insects, Laboratory insects, Tineola bisselliella.

5424-69
A TECHNIQUE FOR MAINTENANCE AND REARING OF ODOIPORUS LONGICOLLIS.
K Kumar
J Econ Entomol 62(2):528-529
15 Apr 1969 421 J822
Bananas, Insect pests, Insect rearing, Insect rearing equipment, Odoiporus longicollis.

5425-69
EFFECT OF AERIAL SPRAYING FOR THE CONTROL OF GREEN RICE LEAFHOPPER IN AUTUMN. TRANSL. 17058.
T Kumazawa S Yanaka K Oda F Toyoda
5P
Aerial spraying, Chemical control (insects), Insecticides, Malathion, Nephotettix cincticeps. Translation from Proc. Kanto-Tosan Plant Protect. Soc. 10:45, 1963. translated by Y. Tsukano.

5426-69
CONDITIONS FOR THE MASSIVE MULTIPLICATION OF THE INTESTINAL CYTOPLASMIC VIRUS OF MAMESTRA BRASSICAE L. (LEPIDOPTERA). (FR)
E Kurstak
131-132
1967 SB932.15
Cytoplasm, Insect diseases, Intestines, Mamestra brassicae, Reproduction, Virology.

5427-69
MALE GENITALIA OF THE SPECIES OF DEPRESSARIA HAWORTH S. L. (LEPIDOPTERA, OECOPHORIDAE) OCCURRING IN THE NETHERLANDS (ADDENDA).
W Van Laar
Leiden Rijksmus Natuur Hist Zool Mededel 43(7):95-96
25 Sep 1968 410.9 L59
Insect morphology, Lepidoptera, Oecophoridae, Reproductive organs.

5428-69
LIFE HISTORY AND LIFE TABLE OF TETRANYCHUS URTICAE KOCH.
J E Laine
Acarologia 11(1):32-42 REF
Jan 1969 434.8 AC1
Insect biology, Tetranychus urticae. French abstract.

5429-69
TRANSMISSION EXPERIMENTS ON THE TUNGRO VIRUS IN THAILAND.
H A Lamey P Surin J Leeuwangh
Int Rice Comm News Lett 16(4):15-19
Dec 1967 59.9 IN83N
Insect collecting equipment, Insect physiology, Insect vectors, Nephotettix impicticeps, Plant disease transmission, Plant diseases, Symptomatology, Tables (data), Tungro disease, Virus diseases (plants).

Inazuma dorsalis, Thrips sp., Sogatella furcifera, Thaia oryzivora, Balclutha viridis, Nilaparvata lugens and Nephotettix viridis were also tested for transmission ability.

5430-69
HOUSE FLY CONTROL BY CHEMICAL STERILIZATION WITH APHOLATE.
J L Lancaster J S Simco
Ark Agr Exp Sta Bull (737):12P REF
Jan 1969 100 AR42
Apholate, Chemical control (insects), Insecticides, Musca domestica, Sterility.

5431-69
EXPERIMENTS WITH AN ARTIFICIAL SPERMATOPHORE IN COCKCHAFER (MELOLONTHA MELOLONTHA L.).
V Landa
Acta Ent Bohemoslov 58(4):297-301
1961 420 C33
Glands (insects), Insect morphology, Melolontha melolontha, Reproductive organs, Spermatophores. Czech summary.

5432-69
EFFECT OF LIGATURING ON PUPARIUM FORMATION IN THE LARVA OF THE TSETSE FLY, GLOSSINA MORSITANS WESTWOOD.
P A Langley
Nature 214(5086):389-390
22 Apr 1967 472 N21
Brain, Ecdysone, Glossina morsitans, Insect physiology, Larvae, Metamorphosis, Pupal cases, Sutures.

5433-69
COMPARISON OF THE STRUCTURE OF SYMBIOTIC BACTERIA IN VARIOUS SAP SUCKING INSECTS. (FR)
M Laporte
69
1967 SB932.15
Aphididae, Bacteria, Electron microscopy, Pentatomidae, Symbiosis.

5434-69
USE OF HISTOPATHOLOGY INDICES OF HAEMOLYMPH FOR THE PROGNOSIS OF MASS PROPAGATION OF PESTS.
N V Lappa
264-265
1967 SB932.15
Biological control (insects), Diagnosis, Epizootic diseases, Haemolymph, Histology, Insect diseases, Insect pests.

5435-69
INTEGRATED INSECT CONTROL - A PAYOFF FROM RESEARCH.
P Larsen
Amer Fruit Grower 89(5):32
May 1969 80 G85
Agricultural research, Entomology, Fruit culture, Insect ecology, Integrated control (insects), Predaceous insects.

5436-69
STUDY OF THE SENSORY EQUIPMENT OF THE DISTAL JOINT OF THE PALPI IN LOCUSTA MIGRATORIA MIGRATORIOIDES (F. AND R.) LARVAE. (FR)
J R Le Berre Y Sinoir C Boulay
Acad Sci Compt Rend Ser D Sci Nat 265(22, 2ND SEMESTER):1717-1720
27 Nov 1967 505 P21

Insect physiology, Locusta migratoria migratorioides, Mechanoreceptors, Mouth parts.

5437-69
MUTATIONS PRODUCED BY TRANSMUTATION OF PHOSPHORUS-32 TO SULFUR-32 WITHIN DROSOPHILA DNA.
W R Lee G A Sega C F Alford
Nat Acad Sci Proc 58(4):1472-1479 REF
Oct 1967 500 N21P
Deoxyribonucleic acid, Drosophila melanogaster, Insect biochemistry, Insect genetics, Phosphorus isotopes, Sulfur isotopes.

5438-69
CYCLOPHORA PUPILLARIA HB. IN BELGIUM (LEPIDOPTERAGEOMETRIDAE). (FR)
A Legrain
Lambillionea 66(9110):76
05 Sep 1967 420 N15
Geometridae, Insect behavior, Insect migration, Zoogeography.

5439-69
REGULATION OF TRYPTOPHAN METABOLISM IN THE PARASITIC WASP, HABROBRACON JUGLANDIS.
F Leibenguth
Experientia 23(12):1069-1071 REF
15 Dec 1967 475 EX7
Enzymes, Habrobracon, Insect metabolism, Tryptophan.

5440-69
SUSCEPTIBILITY OF INSECTS TO ENTOBACTERIN.
A Leskova
214-215
1967 SB932.15
Bacillus cereus, Bacterins, Biological control (insects), Insect pests, Insecticide resistant insects.

5441-69
A MOLECULAR BOMB FOR THE WAR AGAINST INSECTS.
L Lessing
Amer Forests 75(1):16-19,42-44
Jan 1969 99.8 F762
Chemical control (insects), Insect pests, Insecticides.

The history and application of hormonal insecticides are discussed. This may greatly relieve the chemical contamination of the environment with presently used synthetic organic compounds.

5442-69
SEX ATTRACTANT IDENTIFIED IN CLICK BEETLES OF THE SUGAR-BEET WIREWORM.
C E Lilly
Canada Agr 14(1,WINTER):14-15
1969 7 R31
Biological control (insects), Elateridae, Insect pests, Limonius californicus, Sex attractants.

5443-69
THE RELATIONS BETWEEN TRANSPIRATION, HUMIDITY REACTION, THIRST AND WATER CONTENT IN THE SHOREBUG SALDULA SALTATORIA L. (HETEROPTERA: SALDIDAE).
P Lindskog
Arkiv Zool 20(6):465-493 REF
15 Nov 1968 410.9 SV22
Insect physiology, Metabolism, Saldidae, Water, Weather.

5444-69
SOME OBSERVATIONS ON FLAGELLATE PARASITES OF HEMIPTERANS CORIMELAENA, EUSCHISTUS, GERRIS, LEPTOCORIS AND ONCOPELTUS IN THE UNITED STATES.
J J Lipa
Acta Protozool 6(1-11):59-67 REF
1969 439.8 AC8
Flagella, Hemiptera, Insect diseases, Parasitism, Trypanosomatidae.

5445-69
BREEDING LYSANDRA CORIDON AB. SYNGRAPHA.
C G Lipscomb
Entomol Rec J Variation 80(11):284-285
Nov 1968 421 EN89
Food, Insect biology, Insect rearing, Lysandra coridon.

5446-69
THE BIOLOGY AND CONTROL OF THE CEANOTHUS STEM-GALL MOTH, PERIPLOCA CEANOTHIELLA (COSENS).
N F Lolonis
Calif Hort Soc J 29(3):89-92
Jul 1968 81 C1293
Biological control (insects), Ceanothus, Chemical control (insects), Chlorinated hydrocarbons, Cultural control (insects), Diazinon, Dimethoate, DDT, Insect biology, Insecticides, Organophosphorus compounds, Oxydemetonmethyl, Plant pest control.

5447-69
THE LEATHERJACKET RISK GROWS.
E Long
Farmers Weekly 70(5):V-VI
31 Jan 1969 10 F2226
Baits, Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, DDT, Insect behavior, Insect outbreak forecasting, Insect pests, Insect traps, Larvae, Tipulidae, Zoogeography.

5448-69
QUANTITATIVE STUDY OF DIVERGENCE IN THE MORPHOLOGICAL EVOLUTION OF CERTAIN INFRASPECIFIC ENTITIES IN DOMESTIC HONEYBEES (A. MELLIFERA L.). (FR)
J Louis J Lefebvre
Acad Sci Compt Rend Ser D Sci Nat 266(11, 1ST SEMESTER):1131-1133
11 Mar 1968 505 P21
Apis mellifera, Insect evolution, Insect morphology, Statistical analysis.

5449-69
MORPHOLOGY, ANATOMY AND DEVELOPMENT OF THE GALL OF RHABDOPHAGA RAMICOLA RUBS. IN SALIX PURPUREA L. (FR)
E Loux J Meyer
Marcellia 34(3):135-169 REF
Dec 1967 421 M33
Cecidomyiidae, Insect anatomy, Insect morphology, Plant galls, Rhabdophaga, Silvex.

5450-69
MORPHOLOGY AND CHEMISTRY OF THE PARASPORAL BODY OF BACILLUS FRIBOURGENSIS.
P Luthy L Ettlinger
54-58
1967 SB932.15
Bacillus fribourgensis, Biochemistry, Insect diseases, Melolontha melolontha, Methodology, Milky disease, Sporangia.

5451-69
A BIOASSAY TO CHARACTERIZE STRAINS AND PREPARATIONS OF BACILLUS THURINGIENSIS BERLINER.
H P Maas Geesteranus J P W Noordink C A Van Den Anker
302-306
1967 SB932.15
Bacillus thuringiensis, Bacterial diseases (insects), Biological assay, Caterpillars, Insect behavior, Methodology, Radioactive tracers.

5452-69
SUITABILITY OF PATHOGENS FOR BIOLOGICAL CONTROL.
J W MacBain Cameron
182-196 REF
1967 SB932.15
Bacteria, Biological control (insects), Costs, Fungi, Insect diseases, Viruses.

5453-69
THE DISTRIBUTION OF NYMPHS OF BRACHYPTERA RISI MORT. AND NEMOURA FLEXUOSA AUB. (PLECOPTERA) IN RELATION TO OXYGEN.
B L Madsen
Oikos 19(2):304-310
1968 410 OI4
Insect behavior, Insect ecology, Nemoura, Nymphs, Oxygen, Plecoptera.

5454-69
ON THE TRANSPORT OF MICROORGANISMS (PHI PARTICLES) BY THE FEMALE GERMINAL CELLS IN THE HOMOPTERAN TYPHLOCYBA DOUGLASI EDW.. (FR)
P L Maillet R Folliot
Acad Sci Compt Rend Ser D Sci Nat 266(9, 1ST SEMESTER):923-925 REF
26 Feb 1968 505 P21
Cicadellidae, Electron microscopy, Insect vectors, Microorganisms, Ova.

5455-69
DIAGNOSIS OF THE DISEASES OF INSECTS. (SP)
C M C Martinez
Fitofilo (58,APR-MAY,JUN):17-37
Jun 1967 421 F55
Fungus diseases (insects), Insect diseases, Nematodes, Protozoa, Virus diseases (insects).

5456-69
THE CALCIUM SENSITIVITY OF ATPASE ACTIVITY OF MYOFIBRILS AND ACTOMYOSINS FROM INSECT FLIGHT AND LEG MUSCLES.
K Maruyama J W S Pringle R T Tregear
Roy Soc Proc Ser B, Biol Sci 169(1016):229-240 REF
27 Feb 1968 501 L84B
Actomyosins, Adenosine triphosphatase, Antimetabolites, Apis mellifera, Calcium, Enzymes, Insect physiology, Lethocerus maximus, Locusta migratoria, Muscles, Xylorycetes jamaicensis.

5457-69
NOTES ON BANCHOPSIS RUFICORNIS CAMERON (HYM.: ICHNEUMONIDAE) AN INTERNAL LARVAL PARASITE OF HELIOTHIS ARMIGERA (HUBNER) IN INDIA.
K C Mathur
Cur Sci 36(13):356-357
05 Jul 1967 475 SC123
Heliothis armigera, Ichneumonidae, Insect rearing, Larvae.

5458-69
OLFACTORY RESPONSE OF LARVAE OF THE ONION MAGGOT, THYLEMYA ANTIQUA MEIGEN (DIPTERA: ANTHOMYIIDAE) TO ORGANIC SULFUR COMPOUNDS.
Y Matsumoto A J Thorsteinson
Appl Entomol Zool 3(3):107-111 REF
Sep 1968 SB599.A6
Anthomyiidae, Hylemya antiqua, Insect behavior, Larvae, Smell, Sulfur compounds, Thiols.

5459-69
SOUTHERN TREE CHAPTER BRIEFED ON BORER CONTROL.
C McComb
Amer Nurseryman J 129(8):10,85
15 Apr 1969 80 AM371
Chemical control (insects), Chlorinated hydrocarbons, Dieldrin, Dimethoate, DDT, Insect pests, Insecticides, Spraying, Trees.

5460-69
A TACTILE SETA OF THE TWO-SPOTTED SPIDER MITE, TETRANYCHUS URTICAE K. (ACARINA: TETRANYCHIDAE).
W D McEnroe
Acarologia 11(1):29-31
Jan 1969 434.8 AC1
Electron microscopy, Hair, Insect morphology, Mechanoreceptors, Sense organs, Tetranychus urticae.

5461-69
HOST PREFERENCES AND DISCRIMINATION BY THE MOSQUITOES AEDES AEGYPTI AND CULEX TARSALIS (DIPTERA: CULICIDAE).
S B McIver
J Med Entomol 5(4):422-428 REF
30 Oct 1968 421 J828
Aedes aegypti, Attractants, Chicks, Culex tarsalis, Culicidae, Insect behavior, Medical entomology, Mice, Odors.

5462-69
IMMUNITY IN THE INVERTEBRATES. I. STUDIES ON THE NATURALLY OCCURRING HAEMAGGLUTININS IN THE FLUID FROM INVERTEBRATES.
D McKay C R Jenkin D Rowley
Australian J Exp Biol Med Sci 47(1):125-134
Feb 1969 442.8 AU7
Hemagglutination, Hemolymph, Immunology, Invertebrates, Opsonins.

Investigations have been made on the distribution of haemagglutinins in the haemolymph of various invertebrates. Studies indicate they may serve as opsonins. The importance of this aspect with respect to invertebrate immunology is discussed.

5463-69
THE 24-INCH BRANCH AS A SAMPLE UNIT FOR EGG MASS SURVEYS OF THE WESTERN BUDWORM.
M E McKnight
Pacific Southwest Forest Range Exp Sta Res Note PSW- (122):2P
1968 A99.9 F7632US
Choristoneura occidentalis, Insect eggs, Insect populations, Methodology, Pruning, Pseudotsuga menziesii, Sampling (statistics).

5464-69
THE COLUMBIAN TIMBER BEETLE, CORTHYLUS COLUMBIANUS. VII. THE EFFECT OF CLIMATIC INTEGRANTS ON HISTORIC DENSITY FLUCTUATIONS.
M L McManus R L Giese
Forest Sci 14(3):242-253 MAP REF
Sep 1968 99.8 F7632
Acer rubrum, Acer saccharinum, Climate, Demography, Predaceous insects, Scolytidae.

5465-69
POLYNEMA STRIATICORNE GIRAULT (HYMENOPTERA: MYMARIDAE), A PARASITE OF THE BUFFALO TREEHOPPER, STICTOCEPHALA BUBALUS (F.) (HOMOPTERA: MEMBRACIDAE), IN QUEBEC.
B P Mehra R O Paradis
Entomol Soc Quebec Ann 12(2):97-99 REF
May 1967 420 EN822
Eggs, Hymenoptera, Insect biology, Parasitic insects, Stictocephala bubalus.

5466-69
INVESTIGATIONS INTO THE HONEY BEE'S LEARNING OF SPECTRAL COLORS. (GE)
R Menzel
Z Vergleichende Physiol 56(1):22-62 REF
1967 444.8 Z3
Apis mellifera, Color, Experimental insects, Insect behavior. English summary.

5467-69
THE INFLUENCE OF LIGHT AND TEMPERATURE VARIATIONS ON THE BEHAVIOR AND FECUNDITY OF THE LARCH-BUD MOTH ZEIRAPHERA DINIANA (GN.) (LEPIDOPTERA: TORTRICIDAE). (GE)
D Meyer
Rev Suisse Zool 76(1):93-141 REF
Mar 1969 410 R324
Diurnal rhythm, Fertility, Insect behavior, Insect rearing, Larix, Light, Temperature, Zeiraphera diniana. English and French abstracts.

5468-69
THE BREEDING OF LYTTA VESICATORIA IN THE LABORATORY AND DEMONSTRATION OF CANTHARIDIN SYNTHESIS IN LARVAE. (GE)
D Meyer Ch Schlatter I Schlatter-Lanz H Schmid P Bovey
Experientia 24(10):995-998
15 Oct 1968 475 EX7
Cantharidin, Insect rearing, Larvae, Lytta vesicatoria, Meloidae, Metamorphosis, Polymorphism, Sex, Synthesis.

5469-69
IN VIVO AND IN VITRO CYTOLOGICAL DIAGNOSIS OF DENSONUCLEOSIS IN LEPIDOPTERA. (FR)
G Meynadier
22-25
1967 SB932.15
Biopsy, Cytology, Diagnosis, Electron microscopy, Galleria mellonella, Insect diseases, Lepidoptera, Symptomatology, Tissue culture, Virology.

5470-69
MOSQUITO CONTROL AGENTS DERIVED FROM PETROLEUM HYDROCARBONS. III. THE EFFECT OF FLIT MLO ON FIRST AND SECOND LARVAL INSTARS.
D W Micks G V Chambers S Montalbano C Daoud
J Econ Entomol 62(2):455-458
15 Apr 1969 421 J822
Aedes aegypti, Chemical control (insects), Culex pipiens quinquefasciatus, Culicidae, Dosage, Hydrocarbons, Insect abnormalities, Insect physiology, Larvae, Petroleum.

5471-69
INSECT AND MITE CONTROL ON ORNAMENTALS.
R L Miller R L Campbell
Ohio State Univ Ext Bull (504):24P
1969 275.29 OH32
Accident prevention, Chemical control (insects), Dairy equipment, Dosage, Insecticide application, Insecticide resistant insects, Insecticides, Light traps, Mites, Oils, Ornamental plants.

5472-69
HOME GARDEN INSECT CONTROL.
R L Miller J P Sleesman
Ohio State Univ Ext Bull 498:16P
Jan 1969 275.29 OH32
Acaricides, Accident prevention, Chemical control (insects), Dairy equipment, Gardens, Insect pests, Insecticides, Light traps, Mites, Slugs, Soil insects. Many insecticides and acaricides are recommended.

5473-69
THE OPTICS OF INSECT COMPOUND EYES.
W H Miller G D Bernard J L Allen
Science 162(3855):760-767 REF
15 Nov 1968 470 SCI2
Compound eye, Insect anatomy, Insect physiology, Light.

5474-69
BIOCHEMICAL ASPECTS OF JUVENILE HORMONE ACTION IN THE ADULT LOCUSTA MIGRATORIA.
A K Minks
Arch Neer Zool 17(2):175-257 REF
Jun 1967 410 AR27
Electron microscopy, Electrophoresis, Insect biochemistry, Juvenile hormone, Locusta migratoria, Tissue culture.

5475-69
THE EFFECT OF REDUCTION IN STREAM FLOW ON INVERTEBRATE DRIFT.
G W Minshall P V Winger
Ecology 49(3):580-582 SPRING
1968 410 EC7
Distribution, Invertebrates, Light, Streams, Velocity, Zoogeography.

5476-69
A BIPOLAR DIFFERENTIATED GYNANDROMORPH OF CULEX TARSALIS COQUILLETT, FROM TEXAS.
C J Mitchell T B Hughes
J Med Entomol 6(1):78
30 Jan 1969 421 J828
Culex tarsalis, Culicidae, Gynandromorphism, Insect morphology, Medical entomology.

5477-69
COMPARISONS OF CELLS, REFRACTILE BODIES, AND SPORES OFF BACILLUS POPILLIAE.
B M Mitruka R N Costilow S H Black R E Pepper
J Bacteriol 94(3):759-765 REF
Sep 1967 448.3 J82
Bacillus popilliae, Biochemistry, Electron microscopy, Physiology, Spores.

5478-69
KARYOLOGICAL STUDIES ON THE INDIAN SPIDERS. VIII. MITOSIS AND MEIOSIS IN TWO SPECIES BELONGING TO THE FAMILY GNAPHOSIDAE.
O P Mittal
Genetica 38(4):516
1967 442.8 G282
Chromosomes, Cytology, India, Meiosis, Mitosis, Research, Sex, Spiders.

5479-69
EFFECT ON APHID FEEDING OF DIETARY METHIONINE.
T E Mittler
Nature 214(5086):386
22 Apr 1967 472 N21
Amino acids, Aphididae, Feeding, Insect behavior, Insect nutrition, Insect physiology, Methionine, Myzus persicae.

5480-69
1967: THE RESULTS OF ARTIFICIAL BIOLOGICAL CONTROL OF THE OLIVE FLY. (IT)
S Monastero
Agricoltura 17(6):50-53 MAP
Jun 1968 16 AG8226
Biological control (insects), Costs, Dacus oleae, Insect dissemination, Insect rearing, Olives, Opius, Parasitism. English and French summaries.

5481-69
UTILIZATION OF LARVAL CHOLESTROL-4-C14 FOR REPRODUCTION IN HOUSE FLIES FED UNLABELED CHOLESTEROL IN THE ADULT DIET.
R E Monroe C S Polityka N J Lamb
Entomol Soc Amer Ann 61(2):292-296
15 Mar 1968 420 EN82
Carbon isotopes, Cholesterol, Insect eggs, Insect metabolism, Larvae, Musca domestica, Oogenesis, Radioactive tracers, Sterols.

5482-69
PRODUCTION OF DAUER PUPAE IN BOMBYX MORI L.
S Morohoshi N Urabe
Nature 213(5077):736
18 Feb 1967 472 N21
Bombyx mori, Brain, Hormones, Insect morphology, Metamorphosis, Pupae, Secretion.

5483-69
ON THE MORPHOLOGY OF THE LAST ABDOMINAL SEGMENT OF FEMALE BOMBYLIIDAE (DIPTERA). (GE)
M Muhlenberg
Zool Anz 181(3-4,SEP-OCT):277-279
Oct 1968 410 Z7
Abdomen, Bombyliidae, Insect morphology.

5484-69
A NEW CHEMICAL FOR CONTROL OF SCARLET AND PINK MITE.
T D Mukerjea
Tocklai Exp Sta Newslett 13(3):94-100

Sep 1966 68.18 T93
Acaricides, Binapacryl, Brevipalpus phoenicis, Chemical control (insects), Insect pests, Tea.

5485-69
THE EFFECT OF PREDATOR AGE ON THE FUNCTIONAL RESPONSE OF PODISUS MACULIVENTRIS TO THE PREY SIZE OF GALLERIA MELLONELLA.
M K Mukerji E J LeRoux
Can Entomol 101(3):314-327 REF
Mar 1969 421 C16
Aging, Galleria mellonella, Podisus maculiventris, Predaceous insects, Starvation.

5486-69
CONTROL OF PASTURE AEDES MOSQUITOES BY DRIPPING LARVICIDES INTO FLOWING WATER, WITH NOTES ON RESIDUES IN A PASTURE HABITAT.
M S Mulla H A Darwazeh A F Geib W E Westlake
J Econ Entomol 62(2):365-370
15 Apr 1969 421 J822
Aedes, Chemical control (insects), Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate, d, Fenthion, Insect behavior, Insecticide application, Insecticide residues, Irrigation, Larvicides, Methyl parathion, Organophosphorus compounds, Pastures.

5487-69
A NEW FOODPLANT FOR EUPHYDRYAS PHAETON (NYMPHALIDAE).
J Muller
Lepidopterists Soc J 23(1):48
1969 421 L554
Food plants, Insect nutrition, Nymphalidae.

5488-69
A DAMSEL-FLY AS THE SECOND INTERMEDIATE HOST OF A PLEUROGENETINE TREMATODE.
K Muraleedharan B P Pande
Cur Sci 36(23):639-641
05 Dec 1967 475 SC123
Enallagma, Metacercaria, Morphology, Trematodiasis.

5489-69
A TECHNIQUE FOR REARING TROMBICULID MITES (ACARINA) DEVELOPED IN A TROPICAL LABORATORY.
M Nadchatram
J Med Entomol 5(4):465-469 REF
30 Oct 1968 421 J828
Climate, Environment, Insect rearing, Laboratory animals, Medical entomology, Mites, Trombiculidae.

5490-69
THE RELATION BETWEEN TEMPERATURE AND LETHAL ACTION OF CARBARYL ON ADULTS ON THE HOUSEFLY AND THE ORIENTAL HOUSEFLY (DIPTERA: MUSCIDAE).
S Nagasawa W M Hoskins
Appl Entomol Zool 3(3):139-147
Sep 28-1 SB599.A6
Carbamates, Carbaryl, Insect biology, Musca domestica, Musca domestica vicina, Temperature, Toxicology.

5491-69
TEMPERATURE AND TERMINATION OF DIAPAUSE IN EPICAUTA GORHAMI MARSEUL (COLEOPTERA, MELOIDAE), WITH PARTICULAR REFERENCE TO THE MECHANISM OF CONTEMPORANEOUS EMERGENCE. (JA)
A Nagatomi
Kagoshima Univ Fac Agr Bull 18:1-11
Feb 1968 107.6 K114B
Diapause, Epicauta gorhami, Insect morphology, Meloidae, Temperature, Time. English summary.

5492-69
THE FEMALES OF LAELIUS ANTHRENIVORUS TRANI (HYM. BETHYLIDAE) ATTACKING MAN. (FR)
C G Nagy
Riv Parassitol 29(1):71-74
Mar 1968 436.8 R52
Bethylidae, Insect behavior, Insect identification. Italian and English summaries.

5493-69
THE INGESTION IN WOLF SPIDERS. I. CAPACITY OF GUT OF LYCOSA PSEUDOANNULATA.
K Nakamura
Res Population Ecol 10(1):45-53 REF
Jun 1968 420 K99
Digestion, Drosophila melanogaster, Insect physiology, Insect rearing, Lycosa pseudoannulata, Predaceous insects, Spiders. Japanese summary.

5494-69
COLOUR VISION AND COLOUR PREFERENCE IN THE TROPICAL EYE-FLY.
M J Narasimhan M J Kasthuri-Thirumalachar V G Ganla
Experientia 23(10):818-819
15 Oct 1967 475 EX7
Chloropidae, Color, Color preference, Insect physiology, Ultraviolet rays, Vision.

5495-69
A POSSIBILITY OF USING DIMETHYLDICHLORVINYLPHOSPHATE IN THE FIGHT AGAINT RED COCKROACHES. (ABSTRACT). (RUS)
V N Nefedov V F Ponomarenko
Zhur Mikrobiol Epidemiol Immunobiol 4:135
1968 448.3 Z4
Blattidae, Chemical control (insects), Dichlorvos, Insect control, Insect pests.

5496-69
FLIGHT ACTIVITY OF HONEYBEES IN A FLIGHT AND REARING ROOM. II. THE INFLUENCE OF CONSTANT AND CYCLING TEMPERATURES.
E V Nelson S C Jay
J Apicult Res 7(2):71-76 REF
1968 424.8 J82
Apis mellifera, Insect behavior, Insect flight, Temperature.

5497-69
NOTE ON THE OVARY, RACHIS, AND SPERMATHECA OF AN INSECT PARASITIC NEMATODE, CONTORTYLENCHUS ELONGATUS (MASSEY, 1960) NICKLE, 1963.
W R Nickle
Helminthol Soc Wash Proc 33(1):37-40
Jan 1966 436.9 H36
Contortylenchus elongatus, Insect diseases, Insects, Nematodes, Parasitism, Reproductive organs.

5498-69
EVOLUTION TOWARD A SINGLE PHENOTYPE AND PERSISTANCE OF THE MOLTING GLANDS IN LOCUSTA MIGRATORIA CINERASCENS, GREGARIOUS PHASE, UNDER THE INFLUENCE OF CARBONIC GAS. EXPERIMENTAL AND ULTRASTRUCTURAL STUDY. (FR)
G Nicolas P Cassier M A Fain-Maurel
Acad Sci Compt Rend Ser D Sci Nat 268(11, 1ST SEMESTER):1532-1534
17 Mar 1969 505 P21
Carbon dioxide, Corpora allata, Glands (insects), Insect physiology, Locusta migratoria, Ultrastructure.

5499-69
THE NEMATODES DD-136 (NEOAPLECTANA SP.) AND NEOAPLECTANA CARPOCAPSAE WEISER, 1955 (RHABDITOIDEA) AS INSECT PARASITES. A LITERATURE REVIEW. (GE)
O F Niklas
Berlin Biol Bundesanst Land-forstwirtsch Mitt (124):1-40 REF
Aug 1967 410.9 G31M
Bacteria, Culture media, Insect diseases, Morphology, Nematodes, Neoplectana, Physiology, Reviews. English abstract.

5500-69
CENTRAL NERVOUS SYSTEM CONTROL OF CIRCADIAN RHYTHMICITY IN THE COCKROACH. II. THE PATHWAY OF LIGHT SIGNALS THAT ENTRAIN THE RHYTHM.
J Nishiitsutsuji-Uwo C S Pittendrigh
Z Vergleichende Physiol 58(1):1-13
1968 444.8 Z3
Blattidae, Central nervous system, Diurnal rhythm, Eyes, Insect physiology, Photosensitization. German summary.

5501-69
CENTRAL NERVOUS SYSTEM CONTROL OF CIRCADIAN RHYTHMICITY IN THE COCKROACH. III. THE OPTIC LOBES, LOCUS OF THE DRIVING OSCILLATION .
J Nishiitsutsuji-Uwo C S Pittendrigh
Z Vergleichende Physiol 58(1):14-46 REF
1968 444.8 Z3
Blattidae, Brain, Central nervous system, Diurnal rhythm, Insect physiology. German summary.

5502-69
EXUDATES OF GERMINATING SPORES OF BACILLUS THURINGIENSIS.
J P W Noordink H P Maas Geesteranus C A Van Den Anker
249-250
1967 SB932.15
Bacillus thuringiensis, Biological control (insects), Culture media, Exudates, Methodology, Pieris brassicae, Spore germination.

5503-69
MORPHOLOGICAL CELL DEATH IN THE POST-EMBRYONIC DEVELOPMENT OF THE INSECT OPTIC LOBES.
R H Nordlander J S Edwards
Nature 218(5143):780
25 May 1968 472 N21
Brain, Central nervous system, Danaus plexippus, Death, Insect histology, Insect morphology.

5504-69
TRIAL OF CARBOPHOS ON LARVAE OF AEDES AND CULEX MOSQUITOES. (RUS)
A A Odinets T A Oktyabrskaya
Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):609-613 REF
1968 448.8 M469
Aedes, Chemical control (insects), Culex pipiens, DDT, Dosage, Malathion, Organophosphorus compounds. English summary.

5505-69
THE NORWEGIAN SPECIES OF DICHRORAMPHA GN. LEP. TORTRICIDAE.
M Opheim
Opusc Entomol 33(1-2):95-106 REF
1968 421 OP7
Catalogs, Insect taxonomy, Tortricidae, Zoogeography.

5506-69
CONDITIONS DETERMINING THE INITIATION AND DEVELOPMENT OF NUCLEAR POLYHEDROSIS EPIZOOTICS IN LEPIDOPTERA.
E V Orlovskaya
282-283
1967 SB932.15
Epizootic diseases, Insect populations, Lepidoptera, Polyhedroses, Virus diseases (insects).

5507-69
A LIST OF NAMES OF INSECT CONTROL CHEMICALS TO BE USED IN ENTOMOLOGY RESEARCH DIVISION MANUSCRIPTS.
E M Osborne R L Busbey
Department Of Agriculture, Washington, D. C. 60P
Jun 1966 ASB951.08

Chemical control (insects), Pesticides.

A complete cross index of names to be used, chemical names, and other designations that have been used, and main use is given.

5508-69
PRELIMINARY NOTE ON A CHEMICAL ATTRACTANT FOR THE GRASS GRUB BEETLE (COSTELYTRA ZEALANDICA (WHITE)) FROM THE FLOWERS OF ELDER (SAMBUCUS NIGRA L.).
G O Osborne C P Hoyt
New Zealand J Sci 2(1):137-139
Mar 1968 514 N482
Attractants, Costelytra zealandica, Insect traps, Sambucus nigra, Scarabaeidae.

5509-69
THE DETERMINATION OF THE INSECTICIDAL ACTIVITY OF AN 8 YEAR OLD SAMPLE OF DDT BY BIOLOGICAL METHOD. (TU)
A N Ozkazanc
Ankara Univ Vet Fak Dergisi 15(1):92-108
1968 41.9 AN4D
Biological assay, Blattella germanica, Chlorinated hydrocarbons, DDT, Insecticides, Musca domestica, Storage. English abstract

5510-69
PERFUSION FLUID FOR THE SCORPION, HETEROMETRUS FULVIPES.
B Padmanabhanaidu
Nature 213(5074):410
28 Jan 1967 472 N21
Blood, Dorsal vessel, Heterometrus fulvipes, Hydrogen-ion concentration, Insect physiology, Scorpionida.

5511-69
THE DEVELOPMENT OF MALE GENITAL DUCTS AND THE ASSOCIATED STRUCTURES IN CALLOSOBRUCHUS MACULATUS (F.) (BRUCHIDAE: COLEPTERA).
H R Pajni
Panjab Univ Res Bull (N S)19(1-2):81-88 REF
Jun 1968 513 EA72
Callosobruchus maculatus, Insect histology, Insect physiology, Reproductive organs.

5512-69
THE LARVAL AND IMAGINAL OENOCYTES OF CALLOSOBRUCHUS MACULATUS (FABRICIUS) (COLEOPTERA: BRUCHIDAE).
H R Pajni
Beitr Entomol 18(1-2):233-238 REF
1968 421 B392
Callosobruchus maculatus, Circulatory system, Cuticle, Insect biology, Insect histology, Larvae, Molting (insects).

5513-69
A NOTE ON THE METAMORPHOSIS OF THE MID-GUT EPITHELIUM IN CALLOSOBRUCHUS MACULATUS (F.) (BRUCHIDAE: COLEOPTERA).
H R Pajni
Panjab Univ Res Bull (N s)18(PT 1-2):75-78 REF
Jun 1967 513 EA72
Callosobruchus maculatus, Embryology, Gastrointestinal system, Insect morphology, Metamorphosis.

5514-69
NEW RECORD OF A BRACONID PARASITE, APANTALES COLEMANI VIERECK., FROM THE LARVAE OF EUPROCTIS LUNATA WALKER.
S N Pandey
Cur Sci 36(18):498
20 Sep 1967 475 SC123
Apanteles, Euproctis lunata, Larvae, Predaceous insects.

5515-69
ON THE THEORETICAL CONCEPT OF SELF-EXTINCTION OF BARK BEETLES. (TT 68-50402) TRANSL. 17066.
I V Panishin
2P
Biological control (insects), Forest insects, Insect behavior, Pinus, Scolytidae. Translated from Vestnik Sel'skokhozyaistvennoi Nauki 7(3):133-134, 1962. issued by CFSTI.

5516-69
EVIDENCE OF A NONSPECIFIC TYPE RESISTANCE TO INSECTICIDES BY A RESISTANT STRAIN OF THE TOBACCO BUDWORM.
T L Pate S B Vinson
J Econ Entomol 61(5):1135-1137 REF
15 Oct 1968 421 J822
Biochemistry, Chemical control (insects), Cuticle, DDT, Dosage, Endrin, Heliothis virescens, Immunity, Injections, Insecticides.

5517-69
AN ATTEMPT TO CORRECT SOME MISTAKES AND MISCONCEPTIONS ABOUT SOME FUNGUS BEETLES AND THEIR HABITATS.
K Paviour-Smith
Entomologist (london) 102(1271):86-96 REF
Apr 1969 421 EN8
Cis bilamellatus, Ganoderma, Habitats, Insect nutrition.

5518-69
THE BEETLES (COLEOPTERA) OF BABIA GORA MOUNTAIN (POLISH WESTERN CARPATHIANS). (POL)
J Pawlowski
Acta Zool Cracov 12(16):419-665 MAP REF
30 Dec 1967 410 AC86
Coleoptera, Insect collecting equipment, Insect ecology, Insect identification, Insect populations, Insect taxonomy, Zoogeography. English and Russian summaries. more than 8400 specimens representing 891 species were collected.

5519-69
THE EVOLUTION AND BIOLOGICAL SIGNIFICANCE OF MULTIPLE PAIRING IN LEPIDOPTERA.
R W Pease
Lepidopterists Soc J 22(4):197-209 REF
1968 421 L554
Insect biology, Lepidoptera, Spermatophores.

5520-69
NEW STRATEGY AGAINST THE CODLING MOTH.
C K Peck
World Farming 11(2):6-10
Feb 1969 30.08 W89
Apples, Azinphosmethyl, Carpocapsa pomonella, Chemical control (insects), Chlorinated hydrocarbons, Cobalt, Diazinon, DDT, Insect pests, Insecticide resistant insects, Insecticides, Isotopes, Organophosphorus compounds, Parathion, Radiation, Sterility.

5521-69
THE CLASSIFICATION OF STRAINS OF BACILLUS THURINGIENSIS ON THE BASIS OF THE ANTIGENIC PATTERNS OF THE TOXIC PROTEIN INCLUSIONS.
I R Pendleton R B Morrison
82-85
1967 SB932.I5
Bacillus thuringiensis, Bacteria, Crystallography, Immunochemistry, Insect diseases, Serological tests, Taxonomy.

5522-69
HORMONAL CONTROL OF THE REPRODUCTIVE DIAPAUSE IN THE GRASSHOPPER, OEDIPODA MINIATA.
M P Pener M Broza
Experientia 25(4):414-415
15 Apr 1969 475 EX7
Acrididae, Corpora allata, Hormones, Insect physiology, Reproduction.

5523-69
PEST CONTROL BY THE BIOLOGICAL METHOD.
P A C R Perera
Ceylon Coconut Planters Rev 5(2):63-73
Mar 1968 77.8 C333
Balance of nature, Biological control (insects), Chemical control (insects), Coconuts, Insect pests, Integrated control (insects), Nomenclature. Many coconut pests were discussed and how they are best controlled by the biological method.

5524-69
NEW HORIZONS IN THE FIGHT AGAINST INSECTS. (FR)
M P Pesson
Rev Zool Agr Appl 00(1-3):1-13
1968 410.9 SO12
Biological control (insects), Chemical control (insects), DDT, Insect control, Insect pests, Insect physiology, Insecticide residues.

5525-69
DISASTER AID FOR MOSQUITO CONTROL AGENCIES.
R F Peters M C Kramer
Calif Vector Views 16(2):15-16
Feb 1969 449.8 C12
Culicidae, Government aid, Insect control.

5526-69
RECENT ADVANCES IN THE PHYSIOLOGY AND BIOCHEMISTRY OF PLASMODIA.
W Peters
Trop Dis Bull 66(1):1-29 REF
Jan 1969 448.8 T752
Biochemistry, Culicidae, Insect vectors, Malaria, Parasitism, Physiology, Plasmodium, Protozoa.

5527-69
SIMULTANEOUSLY EFFECTIVE ANTI-FUNGAL AND INSECTICIDAL OR ACARICIDAL PESTICIDES. PATENT 3,450,818.
M Pianka J D Edwards
Us Patent Office Offic Gaz 863(3):902
17 Jun 1969 156.65 OF2
Acaricides, Fungicides, Insect pests, Microorganisms, Patents, Pesticides.

5528-69
IONIC COMPOSITION OF HAEMOLYMPH AND NERVOUS FUNCTION IN THE COCKROACH, PERIPLANETA AMERICANA L.
Y Pichon J Boistel
J Exp Biol 49(1): 31-38 REF
Aug 1968 442.8 B77
Haemolymph, Insect physiology, Ions, Nervous system, Periplaneta americana, Potassium.

5529-69
OOGENESIS IN THE PARTHENOGENETIC STICK INSECT SIPYLOIDEA SIPYLUS WESTWOOD (ORTHOPTERA, PHASMIDAE).
L P Pijnacker
Genetica 38(4):504-515
1967 442.8 G282
Chromosomes, Cytology, Cytoplasm, Insect identification, Meiosis, Oogenesis, Parthenogenesis, Phasmatidae, Reproduction.

5530-69
STERILIZING EFFECT OF A PHOSPHORAMIDE ON CULEX FATIGANS WEID.
M K K Pillai K K Grover
Cur Sci 37(9):257-258
05 May 1968 475 SC123
Chemosterilants, Culex pipiens quinquefasciatus, Mortality, Phosphoric triamide.

5531-69
THE DECARBOXYLATION OF LUCIFERIN IN FIREFLY BIOLUMINESCENCE.
P J Plant E H White W D McElroy
Biochem Biophys Res Commun 31(1):98-103 REF
05 Apr 1968 442.8 B5236

Adenosine triphosphates, Biochemistry, Decarboxylases, Enzymes, Luciferins, Luminescence, Oxidation-reduction potential, Photinus.

5532-69
INSECTICIDE RESISTANCE IN THE HOUSE FLY: DECREASED RATE OF ABSORPTION IS THE MECHANISM OF ACTION OF A GENE THAT ACTS AS AN INTENSIFIER OF RESISTANCE.
F W Plapp R F Hoyer
J Econ Entomol 61(5):1298-1303 REF
15 Oct 1968 421 J822
Absorption, Biochemistry, Chemical control (insects), Dieldrin, DDT, Genes, Insect genetics, Insecticides, Musca domestica, Parathion.

5533-69
DESCRIPTION AND TAXONOMIC POSITION OF THE DD-136 NEMATODE (STEINERNEMATIDAE, RHABDITOIDEA) AND ITS RELATIONSHIP TO NEOAPLECTANA CARPOCAPSAE WEISER.
G O Poinar
Helminthol Soc Wash Proc 34(2):199-209 REF
Jul 1967 436.9 H36
Host relationships, Insect nematodes, Morphology, Nematodes, Neoaplectana, Taxonomy.

5534-69
DEVELOPMENT OF VIRUS ANTIGEN IN TISSUES OF PIERIS BRASSICAE INOCULATED WITH TIPULA IRIDESCENT VIRUS.
M B Ponsen
86-89
1967 SB932.I5
Antigens, Blood cells, Fluorescent antibody technic, Insect diseases, Metamorphosis, Pieris brassicae, Tipula iridescent virus, Tissue culture, Virology.

5535-69
ELECTRON MICROSCOPY OF THE DEVELOPMENT OF THE LINING OF THE SPOROBLAST IN THE COCCIDIAN COELOTROPHA DURCHONI. (FR)
E Porchet-Hennere
Acad Sci Compt Rend Ser D Sci Nat 267(22, 2ND SEMESTER):1856 1857
25 Nov 1968 505 P21
Coccidiosis, Cytology, Electron microscopy, Spores.

5536-69
FOODPLANTS OF CALLOPHRYS (INCISALIA) IROIDES.
J A Powell
Lepidopterists Soc J 22(4):225-226
1968 421 L554
Food plants, Incisalia iroides, Insect nutrition, Lycaenidae.

5537-69
ON THE USE OF BACILLUS THURINGIENSIS-INSECTICIDE COMBINATIONS TO CONTROL INSECT PESTS.
W P Pristavko
212-214 REF
1967 SB932.I5
Bacillus thuringiensis, Biological control (insects), Chemical control (insects), Chlorinated hydrocarbons, DDT, Insect pests, Insecticides.

5538-69
THE MASS PRODUCTION OF BEAUVERIA BASSIANA.
W P Pristavko V M Goral
118-119 REF
1967 SB932.I5
Beauveria bassiana, Biological control (insects), Fungi, Fungus cultures, Methodology.

5539-69
REPEATED PREGNANCY AND DURATION OF THE GESTATION PERIOD IN THE SCORPION, ISOMETRUS MACULATUS DE GEER (FAM., BUTHIDAE). (GE)
P Probst
Rev Suisse Zool 75(4):1066-1070
Dec 1968 410 R324
Buthidae, Insect physiology, Insect reproduction, Isometrus maculatus.

5540-69
PHYTOPHAGOUS MITES; SPECIES OF WIDEST DISTRIBUTION IN ARGENTINA. (SP)
R H Quintanilla O G Cordoba
Biblioteca Central, Buenos Aires, Argentina 59P REF
1967 QL458.A2Q5
Acaricides, Insect morphology, Insect physiology, Insect taxonomy, Mites, Zoogeography.

5541-69
DIPTERA LARVAE IN SOIL TREATED WITH ORGANIC AND MINERAL FERTILIZERS. (I). FAMILY ASILIDAE-DIPTERA-BRACHYCERA. (RUM)
V Gh Radu F Dan
Cluj Univ Babes Bolyai Stud Ser Biol 13(1):69-74 REF
1968 442.9 C62
Asilidae, Asilus, Brachycera, Diptera, Fertilizers, Insect morphology, Insect taxonomy, Larvae, Lasiopogon, Leptogaster, Machimus, Philonicus, Soil treatment. French and Russian summaries.

5542-69
OBSERVATIONS ON THE OXYGEN CONSUMPTION OF TSETSE LARVAE (GLOSSINA MORSITANS).
P K Rajagopal
Rhodesia, Zambia, Malawi J Agr Res 6(1):60-61
1968 24 R3472
Glossina morsitans, Insect metabolism, Insect respiration, Oxygen.

5543-69
AN APPARENT DISCONTINUITY IN THE RELATION BETWEEN TEMPERATURE AND THE RESPIRATORY RATE OF TSETSE PUPAE. (GLOSSINA MORSITANS).
P K Rajagopal
Rhodesia, Zambia, Malawi J Agr Res 6(1):59
1968 24 R3472
Glossina morsitans, Insect respiration, Temperature.

5544-69
AN ENTEROBRYUS (TRICHOMYCETES, ECCRINALES) IN A MILLIPED.
C Rajagopalan
Cur Sci 36(1):20-22
05 Jan 1967 475 SCI23
Diplopoda, Fungus diseases (insects), Taxonomy.

5545-69
ANTENNAL PULSATILE ORGANS IN SCOLOPENDRA MORSITANS (CHILOPODA:MYRIAPODA).
G S Rajulu
Cur Sci 36(9):242-243
05 May 1967 475 SCI23
Antennae, Chilopoda, Heart rate, Insect histology, Insect physiology.

5546-69
EFFECT OF NATURAL PARASITIZATION ON THE POPULATION OF PADDY GALLFLY, PACHYDIPLOSIS ORYZAE MANI.
E Ramiah
Allahabad Farmer 42(5):263-267
Sep 1968 22 AL5
Biological control (insects), Insect pests, Pachydiplosis oryzae, Parasitism, Rice. Four other, less promising parasites are identified.

5547-69
CODLING MOTH CONTROL WITH CARBOFURAN.
I A Rammer E A Kurtz
J Econ Entomol 62(2):356-357
15 Apr 1969 421 J822
Apples, Carbofuran, Carpocapsa pomonella, Chemical control (insects), Chlorinated hydrocarbons, Dosage, Insect pests, Pears, Walnuts.

5548-69
SYNOPTIC TABLES OF LARVAE AND IMAGOS OF THE SPECIES OF THE FAMILY CHRYSOTRIBAX REITTER. (COL. CARABIDAE). (FR)
P Raynaud
Entomops (9):1-16 REF
28 Sep 1967 QL461.E53
Carabidae, Insect taxonomy, Larvae, Metamorphosis, Ontogeny, Zoogeography.

5549-69
THE INFLUENCE OF SITE APPLICATION ON THE TOXICITY OF INSECTICIDES IN RED COTTON BUG, DYSDERCUS CINGULATUS, F.
G Reddy M B Naidu
Indian J Entomol 29(4):325-328
Dec 1967 420 IN23
Dinitrocresol, DDT, Dysdercus cingulatus, Insecticide application, Insecticides, Schistocerca gregaria, Toxicology.

5550-69
RESPONSE OF THE STRIPED LYNX SPIDER, OXYOPES SALTICUS, TO TWO COMMONLY USED PESTICIDES.
K R Redmond J R Brazzel
J Econ Entomol 61(1):327-328
Feb 1968 421 J822
DDT, Methyl parathion, Oxyopes salticus, Toxaphene. Toxaphene-DDT mixture used.

5551-69
LINDANE: METABOLISM TO A NEW ISOMER OF PENTACHLOROCYCLOHEXENE. (ABSTRACT).
W T Reed A J Forgash
Excerpta Med Pharm Toxicol 21(12):600
Dec 1968 241.64 EX23
Biochemistry, Chlorinated hydrocarbons, Chromatography, Insect physiology, Insecticides, Isomerism, Lindane, Metabolism, Musca domestica, Pentachlorocyclohexene, Spectroscopy. From Science, 1968, 160/3833,(1232).

5552-69
LINDANE: METABOLISM TO A NEW ISOMER OF PENTACHLOROCYCLOHEXENE.
W T Reed A J Forgash
Science 160(3833):1232
14 Jun 1968 470 SCI2
Chemical control (insects), Chlorinated hydrocarbons, Insect biochemistry, Insect metabolism, Insecticide resistant insects, Insecticides, Lindane, Musca domestica, Pentachlorocyclohexene.

5553-69
THE ALARM-DEFENCE SYSTEM OF THE ANT ACANTHOMYOPS CLAVIGER.
F E Regnier E O Wilson
J Insect Physiol 14(7):955-970 REF
Jul 1968 421 J825
Acanthomyops claviger, Biochemistry, Formic acid, Insect protective devices, Pheromones, Volatile substances.

5554-69
HEART POISONS IN THE MONARCH BUTTERFLY.
T Reichstein J von Euw J A Parsons M Rothschild
Science 161(3844):861-866
30 Aug 1968 470 SCI2
Asclepias, Danaidae, Danaus plexippus, Dorsal vessel, Insect biochemistry, Insect nutrition, Poisons, Toxicology.

5555-69
ANATEA, AN ANT-MIMICKING THERIDIID SPIDER FROM NEW CALEDONIA (ARANEAE: THERIDIIDAE).
J Reiskind H W Levi
Psyche 74(1):20-23
Mar 1967 421 P95
Araneae, Formicidae, Insect behavior, Insect morphology, Insect taxonomy, Mimicry, New Caledonia.

5556-69
SOME NOTES ON THE REARING OF USEFUL INSECTS. (CZ)
J Rekos
Pol'nohospodarstvo 14(10):806-808
1968 19.5 P752
Beneficial insects, Insect cultures, Insect rearing.

5557-69
SEASONAL DEVELOPMENT AND HABITS OF PSEUDOPITYOPHTHORUS SPP. (COLEOPTERA: SCOLYTIDAE) IN SOUTHERN OHIO.
C O Rexrode
Can Entomol 101(3):306-313
Mar 1969 421 C16
Forest insects, Insect physiology, Scolytidae.

5558-69
FLEA CTENOPHTHALMUS: HETEROGENEOUS HEXAGONALLY ORGANIZED LAYER IN THE MIDGUT.
A G Richards P A Richards
Science 160(3826):423-426
26 Apr 1968 470 SCI2
Biochemistry, Cells, Chemicals, Ctenophthalmus, Electron microscopy, Gastrointestinal system, Insect anatomy, Insect physiology, Muscles, Stomach, Tissues.

5559-69
TWO METHODS OF OPERATING A VACUUM SAMPLER TO SAMPLE POPULATIONS OF THE COTTON FLEAHOPPER ON WILD HOSTS.
C A Richmond H M Graham
J Econ Entomol 62(2):525-526
15 Apr 1969 421 J822
Herbs, Insect collecting equipment, Insect populations, Methodology, Psallus seriatus, Shrubs.

5560-69
ARTIFICIAL DIET FOR CECROPIA AND OTHER SATURNIID SILKWORMS.
L M Riddiford
Science 160(3835):1461-1462 REF
28 Jun 1968 470 SCI2
Bombyx mori, Food habits, Hyalophora cecropia, Insect nutrition, Samia cynthia, Wheat germ.

5561-69
THE NATURAL AND ARTIFICIAL DISPERSION OF PATHOGENS.
C F Rivers
252-263 REF
1967 SB932.I5
Biological control (insects), Insect diseases, Insect populations, Viruses.

5562-69
ULTRASTRUCTURE OF THE SECRETORY INCLUSIONS OF THE SALIVARY GLAND CELL IN DROSOPHILA.
T M Rizki
J Cell Biol 32(2):531-534
Feb 1967 442.8 J828
Cytology, Drosophila, Electron microscopy, Inclusion bodies, Salivary glands (insects), Secretions.

5563-69
MAINTENANCE OF IMAGINAL DISCS OF DROSOPHILA MELANOGASTER IN CHEMICALLY DEFINED MEDIA.
J A Robb
J Cell Biol 41(3):876-885 REF
Jun 1969 442.8 J828
Biochemistry, Culture media, Drosophila melanogaster, Tissue culture.

5564-69
SOME EFFECTS OF METARRHIZIUM ANISOPLIAE AND ITS TOXINS ON MOSQUITO LARVAE.
D W Roberts
243-246
1967 SB932.I5
Biological control (insects), Culicidae, Fungus diseases (insects), Larvae, Metarrhizium anisopliae, Toxicology.

5565-69
SUBSTANCES THAT ATTRACT CAGED HONEYBEE COLONIES TO CONSUME POLLEN SUPPLEMENTS AND SUBSTITUTES.
F A Robinson J L Nation
J Apicult Res 7(2):83-88 REF
1968 424.8 J82
Acetone, Apis mellifera, Attractants, Insect cages, Insect diets, Insect nutrition, Lipids, Pollen, Volatile substances.

5566-69
THE USE OF RADIOACTIVITY FOR THE ASSESSMENT OF DOSE IN BIOASSAYS INVOLVING BACTERIAL INSECT PATHOGENS.
A H Rogers A G White J Wolf N H E Gibson
296-302
1967 SB932.I5
Bacterial diseases (insects), Biological assay, Dosage, Methodology, Radioactive tracers.

5567-69
ACCESSORY GLANDS OF FEMALE CULEX PIPIENS QUINQUEFASCIATUS SAY AND AUTOGENOUS CULEX PIPIENS PIPIENS L. (DIPTERA, CULICIDAE): APPEARANCE AND BEHAVIOR IN RELATION TO OOGENESIS.
B Rosay
J Med Entomol 5(4):478-482 REF
30 Oct 1968 421 J828
Culex pipiens pipiens, Culex pipiens quinquefasciatus, Culicidae, Glands (insects), Insect behavior, Insect physiology, Medical entomology, Oogenesis.

5568-69
DISHABITUATION AND AROUSAL IN THE RESPONSE OF SINGLE NERVE CELLS IN AN INSECT BRAIN.
C H F Rowell G Horn
J Exp Biol 49(1):171-183 REF
Aug 1968 442.8 B77
Brain, Central nervous system, Insect physiology, Schistocerca gregaria.

5569-69
NOTE ON THE DEPORTMENT PARTICULARLY TOWARDS THE DEAD IN COPTOTERMES INTERMEDIUS SILVESTRI (ISOPTERE RHINOTERMITIDAE). (FR)
J Roy-Noel
Insectes Sociaux 14(4):349-350
Dec 1967 421 IN79
Coptotermes intermedius, Insect behavior, Social insects, Termites.

5570-69
THE BIOLOGY OF SCRAPTER AND ITS CUCKOO BEE, PSEUDODICHRDA (HYMENOPTERA: COLLETIDAE AND ANTHROPHORIDAE).
J G Rozen C D Michener
Amer Mus Novitates 2335:1-13
19 Jul 1968 500 N483N
Apoidea, Insect behavior, Insect biology, Parasitic insects, Scrapter.

5571-69
ACTIVATION OF THE MYOFIBRILLAR ATPASE ACTIVITY BY EXTENSION OF GLYCEROLEXTRACTED INSECT FIBRILLAR MUSCLE.
J C Ruegg H Stumpf
Pflugers Arch Gesamte Physiol Menschen Tiere 305(1):34-46 REF
1969 447.8 AR2
Adenosine triphosphatase, Glycerol, Insect biochemistry, Insect flight, Muscles, Tension.

5572-69
THE COUPLING OF POWEROUTPUT AND MYOFIBRILLAR ATPASE ACTIVITY IN GLYCEROL-EXTRACTED INSECT FIBRILLAR MUSCLE AT VARYING AMPLITUDE OF ATP-DRIVEN OSCILLATION.
J C Ruegg H Stumpf
Pflugers Arch Gesamte Physiol Menschen Tiere 305(1):21-33 REF
1969 447.8 AR2
Adenosine triphosphatase, Energy, Glycerol, Insect biochemistry, Insect flight, Muscles.

5573-69
COLONIZATION OF TWO SPECIES OF FLORIDA CHIRONOMIDS.
J P Ruff
Fla Anti-mosquito Ass Rep 39:61-62 REF
1968 420 F663
Biological control (insects), Chironomidae, Chironomus carus, Chironomus crassicaudatus, Glyptotendipes paripes, Insect eggs.

5574-69
AN INSTRUMENT TO HOLD RABBITS FOR BLOOD SUCKING SIMULIID EXPERIMENTS. (GE)
W Ruhm
Angew Parasitol 09(1):41-44
Feb 1968 436.8 AN4
Equipment, Insect nutrition, Insect rearing equipment, Methodology, Rabbits, Simuliidae. German, russian, and english abstract

5575-69
UTILIZATION OF BACILLUS THURINGIENSIS IN THE CONTROL OF PORTHETRIA DISPAR IN SPAIN. (FR)
A Ruperez
266-274 REF
1967 SB932.I5
Bacillus thuringiensis, Biological control (insects), Methodology, Porthetria dispar.

5576-69
VAPONA FOR THE CONTROL OF MUSEUM PESTS.
R E Ryckman
J Med Entomol 6(1):98
30 Jan 1969 421 J828
Chemical control (insects), Dermestidae, Dichlorvos, Insect pests, Insecticide application, Medical entomology, Triatoma dimidiata.

5577-69
ZOOLOGICAL NOMENCLATURE IN THE JET AGE.
C W Sabrosky
Helminthol Soc Wash Proc 34(2):236-240
Jul 1967 436.9 H36
Nomenclature, Taxonomy, Zoology.

5578-69
NEST ARCHITECTURE AND BROOD DEVELOPMENT IN A NEOTROPICAL BUMBLEBEE, BOMBUS ATRATUS.
S F Sakagami Y Akahira R Zucchi
Insectes Sociaux 14(4):389-414 REF
Dec 1967 421 IN79
Bombus, Insect behavior, Insect breeding, Insect rearing, Nesting. German summary

5579-69
PHYSIOLOGICAL STUDIES ON THE DIGESTION OF COCCINELLID BEETLES (COLEOPTERA: COCCINELLIDAE), WITH SPECIAL REFERENCE TO THEIR FOOD HABITS.
H Sakurai
Appl Entomol Zool 3(3):130-138 REF
Sep 1968 SB599.A6
Coccinellidae, Food habits, Insect biology, Insect metabolism, Phytophagous insects, Predaceous insects.

The following species were tested: Coccinella septempunctata.bruckii, Harmonia axyridis, Chilocorus kuwanae, Rodolia cardinalis, Epilachna vigintiopunctata.and E. vigintiomaculata.

5580-69
LIMITATION OF THE COLORADO BEETLE BY NEMATODES AND PROSPECTS FOR THEIR PRACTICAL UTILIZATION.
H Sandner S Stanuszek

210-212
1967 SB932.I5
Biological control (insects), Culture media, Diplogaster, Insect diseases, Leptinotarsa decemlineata, Nematode vectors.

5581-69
A NEW APHID HOST OF APHELINUS MALI (HALDEMAN) IN INDIA.
T S Sankaran
Cur Sci 36(8):216-217
20 Apr 1967 475 SCI23
Aphelinus mali, Aphis gossypii.

5582-69
OCCURRENCE OF ANTIMICROBIAL SUBSTANCE IN THE EXUDATE OF PHYSOGASTRIC QUEEN TERMITE TERMES REPEMANNI WASMANN.
A Sannasi G S Rajulu
Cur Sci 36(16):436-437
20 Aug 1967 475 SCI23
Aspergillus flavus, Fungicides, Insect biochemistry, Insect biology, Isoptera, Secretions.

5583-69
BEHAVIORAL ADAPTATIONS OF CRYPTIC MOTHS. I. PRELIMINARY STUDIES ON BARK-LIKE SPECIES.
T D Sargent R R Keiper
Lepidopterists Soc J 23(1):1-9
1969 421 L554
Geometridae, Insect adaptation, Insect behavior, Moths, Noctuidae. Many species of moths are discussed.

5584-69
CRYPTIC MOTHS: EFFECTS ON BACKGROUND SELECTIONS OF PAINTING THE CIRUMOCULAR SCALES.
T D Sargent
Science 159(3810):100-101
05 Jan 1969 470 SCI2
Insect behavior, Insect genetics, Moths, Scales (insects).

5585-69
POSTEMBRYONIC DEVELOPMENT OF THE BRAIN OF MUSCA DOMESTICA.
R C Satija M L Sharma
Panjab Univ Res Bull (N S)19(1-2):71-80 REF
Jun 1968 513 EA72
Brain, Insect physiology, Metamorphosis, Musca domestica.

5586-69
BRAIN OF APHIS GOSSYPII GLOVER.
R C Satija S K Dhindsa
Panjab Univ Res Bull (N S)19(1-2):39-45
Jun 1968 513 EA72
Aphis gossypii, Brain, Insect morphology.

5587-69
MORPHOLOGY AND HISTOLOGY OF THE BRAIN OF MYLABRIS PHALERATA.
R C Satija S Tangri
Panjab Univ Res Bull (N S)19(1-2):123-129
Jun 1968 513 EA72
Brain, Bruchidae, Insect histology, Insect morphology.

5588-69
VISUAL CENTERS DURING POSTEMBRYONIC LIFE OF CALLOSOBRUCHUS MACULATUS (F.).
R C Satija R P Kaur
Panjab Univ Res Bull (N S)19(1-2):101-112 REF
Jun 1968 513 EA72
Brain, Callosobruchus maculatus, Eyes, Insect physiology, Larvae, Metamorphosis, Pupae.

5589-69
CONTRIBUTIONS TO THE STUDY OF THE BIOMETRIC CHARACTERISTICS OF THE SILKWORM AS INFLUENCED BY NUTRITION. (POR)
E Scarpelli P Abramides O C Abrev
Bol Tec Sericult (49):13P
1967 425.9 SA6B
Biometry, Bombyx mori, Insect nutrition, Morus, Statistical analysis. English summary.

5590-69
PASTURE MOSQUITO RESISTANCE IN CALIFORNIA.
C H Schaefer
Pest Contr 37(1):36-37
Jan 1969 449.8 EX8
Aedes nigromaculis, Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Insecticide resistant insects, Organophosphorus compounds, Pastures. Dursban, fenthion, abate, baygon, ethyl parathion and methyl parathion were tested.

5591-69
STUDIES ON THE MODE OF ACTION OF THE CHEMOSTERILANTS 5-IMIDAZOLIDINONE AND 4-IMIDAZOLIN-2-ONE IN THE HOUSE FLY AND IN THE LARGE MILKWEED BUG.
C H Schaefer
Life Sci 6(24,PT 2):2677-2683
15 Dec 1967 442.8 L62
Chemosterilants, Imidazolidinone, 5-, Imidazolin-2-one, 4-, Insect physiology, Musca domestica, Oncopeltus fasciatus.

5592-69
CHANGES IN THE CONTENT OF FIXED AMINO ACIDS IN TISSUES OF SILK WORM DURING DEVELOPMENT. (RUS)
L I Schegoleva J B Filippovich
Biokhimiya 33(3,MAY-JUN):488-492 REF.
1968 385 B523
Amino acids, Bombyx mori, Fat body, Hemolymph, Insect biology, Metamorphosis, Tissues. English summary.

5593-69
CONTROL OF HOUSEHOLD INSECTS.
R A Scheibner F Parker
Ky Univ Ext Home Econ (5-206B):11P
1969 275.29 K415H
Chemical control (insects), Dried food, Household insects, Insect identification, Insect pests, Insecticide application, Insecticides, Sanitation, Stored products.

5594-69
ON THE BIOSYNTHESIS OF CANTHARIDINS. I. (GE)
C. Schlatter E E Waldner H Schmid
Experientia 24(10):994-995
15 Oct 1968 475 EX7
Biochemistry, Cantharides, Cantharidin, Lytta vesicatoria, Meloidae, Metabolism, Radiobiology.

5595-69
THE SPIKE-FREQUENCY IN MOTOR NEURONS OF THE COCKROACH PERIPLANETA AMERICANA L. (GE)
W R Schule
Experientia 23(1):38-39
15 Jan 1967 475 EX7
Insect physiology, Nerves, Periplaneta americana. English abstract

5596-69
SOUNDS PRODUCED BY NEPTIS HYLAS (NYMPHALIDAE).
F W Scott
Lepidopterists Soc J 22(4):254
1968 421 L554
Insect behavior, Nymphalidae, Stridulation.

5597-69
INHIBITION OF DNA-DEPENDENT RNA POLYMERASE BY THE EXOTOXIN OF BACILLUS THURINGIENSIS VAR. GELECHIAE.
K Sebesta K Horska
Biochim Biophys Acta 169(1):281-282
20 Nov 1968 381 B522
Adenosine triphosphates, Bacillus thuringiensis, Biochemistry, Deoxyribonucleic acid, Escherichia coli, Inhibitors, Ribonucleic acid, Toxins.

5598-69
INTRACELLULAR CONCENTRATION OF ELECTROLYTES IN THE HOUSEFLY.
H H Shatoury
Nature 222(5188):82
05 Apr 1969 472 N21
Blood composition, Blood volume, Electrolytes, Haemolymph, Insect physiology, Musca domestica, Potassium, Sodium.

5599-69
PARASITES AS VECTORS OF GRANULOSIS VIRUS OF HADENA SORDIDA BKH.
T A Shekhurina
279-280
1967 SB932.I5
Disease transmission, Epizootic diseases, Granuloses, Hadena sordida, Insect diseases, Parasitism, Viruses.

5600-69
INTRASPECIES COMPETITION IN A FIELD POPULATION OF GREGOPIMPLA HIMALAYENSIS (HYMENOPTERA: ICHNEUMONIDAE) PARASITIC ON MALACOSOMA NEUSTRIA TESTACEA (LEPIDOPTERA: LASIOCAMPIDAE).
M Shiga A Nakanishi
Res Population Ecol 10(1):69-86 REF
Jun 1968 420 K99
Gregopimpla himalayensis, Ichneumonidae, Insect ecology, Larvae, Lasiocampidae, Malacosoma neustria, Mortality, Parasitic insects, Population, Reproduction. Japanese summary

5601-69
MICHIGAN'S PRIORITY WAR ON MOSQUITOES.
M Shinkle
Pest Contr 37(4):15-17
Apr 1969 449.8 EX8
Biological control (insects), Chemical control (insects), Chlorinated hydrocarbons, Culicidae, DDT, Insect pests, Insect vectors, Insecticide residues, Insecticides, Legislation.

5602-69
A MODEL OF THE PLANT-TO-PLANT MOVEMENT OF APHIDS. II. ESTIMATION OF PARAMETERS AND THE APPLICATION.
M Shiyomi
Res Population Ecol 10(1):105-114 REF
Jun 1968 420 K99
Aphididae, Barley, Insect ecology, Parameters, Rhopalosiphum maidis. Japanese summary.

5603-69
SEX PHEROMONES OF NOCTUID MOTHS. XIII. CHANGES IN PHEROMONE QUANTITY, AS RELATED TO REPRODUCTIVE AGE AND MATING HISTORY, IN FEMALES OF SEVEN SPECIES OF NOCTUIDAE (LEPIDOPTERA).
H H Shorey S U McFarland L K Gaston
Entomol Soc Amer Ann 61(2):372-376 REF
15 Mar 1968 420 EN82
Hormones, Insect behavior, Insect eggs, Noctuidae, Pheromones, Pupae, Sex behavior.

5604-69
OXIDATIVE METABOLISM OF C14-LABELED BAYGON BY LIVING HOUSE FLIES AND BY HOUSE FLY ENZYME PREPARATIONS.
S P Shrivastava M Tsukamoto J E Casida
J Econ Entomol 62(2):483-498 REF
15 Apr 1969 421 J822
Carbon isotopes, Enzymes, Insect metabolism, Isopropoxyphenyl methylcarbamate, o-, Musca domestica, Oxidation, Radioactive isotopes, Synergism. The author lists the chemicals, synergists, enzymes and the distribution of radiocarbons in the house flies.

5605-69
ALTERATION OF SOME PROPERTIES OF BACILLUS THURINGIENSIS BY MEANS OF PASSAGES THROUGH THE INSECTS AND CULTIVATION ON NUTRIENT MEDIA.
O I Shvetzova E R Zurabova

216-217
1967 SB932.I5
Bacillus thuringiensis, Bacterial diseases (insects), Culture media, Galleria mellonella, Hadena sordida, Mamestra brassicae, Morphology.

5606-69
THE OXYGEN BINDING PROPERTIES OF SOME LARVAL HEMOGLOBINS OF CHIRONOMUS TH. THUMMI. (GE)
H Sick K Gersonde
European J Biochem 7(2):273-279 REF
Jan 1969 QP501.E8
Biochemistry, Chironomus thummi, Hemoglobin, Hydrogen-ion concentration, Insect physiology, Mathematical analysis, Oxygen, Polymerization. English summary

5607-69
RESISTANCE OF CHAOBORUS LIGHT. LARVAE TO LACK OF FOOD.
A Sikorowa
Ekol Pol Ser A (SER A)16(10):243-251 REF
1968 512 W263
Aquatic insects, Chaoborus, Insect nutrition, Insect physiology, Lakes, Larvae. Polish summary.

5608-69
THE BEHAVIOUR OF CHAOBORUS LICHT. LARVAE UNDER UNFAVOURABLE OXYGEN CONDITIONS.
A Sikorowa
Ekol Pol Ser A (SER A)16(7):185-192
1968 512 W263
Aquatic insects, Chaoborus, Insect physiology, Lakes, Larvae, Oxygen. Polish summary

5609-69
CELL CULTURES DERIVED FROM LARVAE OF AEDES ALBOPICTUS (SKUSE) AND AEDES AEGYPTI (L.).
K R P Singh
Cur Sci 36(19):506-508 REF
05 Oct 1967 475 SC123
Aedes aegypti, Aedes albopictus, Cytology, Larvae.

5610-69
LIFE-HISTORY AND BIOLOGY OF TABANUS RUBIDUS.
S Singh
Panjab Univ Res Bull (N S)19(1-2):113-122
Jun 1968 513 EA72
Feeding, Insect behavior, Insect biology, Tabanus rubidus.

5611-69
CYTOCHEMICAL STUDIES ON THE NEUROSECRETORY CELLS OF THE BRAIN OF LABIDURA RIPARIA PALLAS (DERMAPTERA).
C L Singla
Panjab Univ Res Bull (N S)19(1-2):247-248
Jun 1968 513 EA72
Brain, Cells, Cytology, Insect biochemistry, Labidura riparia, Phase-contrast microscopy, Secretion.

5612-69
EFFECT OF STARVATION ON THE SCORPION PALAMNAEUS BENGALENSIS.
R C Sinha M S Kanungo
Physiol Zool 40(4):386-390
Oct 1967 410 P56
Amino acids, Glycogen, Insect biochemistry, Insect morphology, Proteins, Scorpionida, Starvation, Water.

5613-69
SOME FACTORS THAT CONDITION FEEDING IN LARVAE OF THE MIGRATORY LOCUST, LOCUSTA MIGRATORIA MIGRATORIOIDES (ORTHOPTERA, ACRIDIDAE). I. EXTERNAL FACTORS. (FR)
Y Sinoir
Entomol Exp Appl 11(2):195-210 REF
1968 421 EN895
Cellulose, Excreta, Insect diets, Insect metabolism, Locusta migratoria migratorioides. English summary.

5614-69
RATIONAL PESTICIDE APPLICATION. (IT)
G Sitta
Agr Ferrarese 71(2):31-39
28 Feb 1967 16 AG87
Beneficial insects, Biological control (insects), Costs, Fruit culture, Insect pests, Pesticide application.

5615-69
INFLUENCE OF TEMPERATURE ON THE RATE OF DEVELOPMENT OF SIX VARIETIES OF THE BACILLUS CEREUS GROUP.
W A Smirnoff
125-130
1967 SB932.I5
Bacillus cereus, Bacillus thuringiensis, Culture media, Growth factors, Temperature.

5616-69
THE ROLE OF PHYTOCIDES ON THE PATHOLOGY OF THE PHYTOPHAGOUS INVERTEBRATES.
W A Smirnoff
179-180
1967 SB932.I5
Biological control (insects), Disease transmission, Insect diseases, Insect pests, Plant extracts, Plant pest control.

5617-69
THE BLACK FLY, SIMULIUM VENUSTUM, ATTRACTED TO THE TURTLE, CHELYDRA SERPENTINA.
S M Smith
Entomol News (philadelphia) 80(4):107-108
Apr 1969 421 EN88
Insect behavior, Simulium venustum, Turtles.

5618-69
COLLECTING METHOD AND PRELIMINARY ANALYSIS OF THE SOLUBLE SALIVARY SECRETIONS OF THE PLANTHOPPERS.
K Sogawa
Appl Entomol Zool 3(3):152-154 REF
Sep 1968 SB599.A6
Insect biology, Laodelphax striatellus, Methodology, Nilaparvata lugens, Phytophagous insects, Salivary glands (insects), Secretions.

5619-69
EFFECT OF INSECTICIDE POISONING ON CHEMORECEPTION IN THE HOUSE FLY, MUSCA DOMESTICA VICINAL. (DIPTERA: MUSCIDAE).
S A Soliman
Soc Entomol Egypte Bull 49:243-257
1966 420 EG9
Chemotropism, DDT, Musca domestica, Parathion.

5620-69
DOMESTIC QUARANTINE NOTICES. WHITE-FRINGED BEETLE.
J F Spears
Fed Regist 34(92):7643-7649
14 May 1969 L1.451
Graphognathus, Infestation, Insect pests, Quarantine, Regulations.

5621-69
SEMINAL LOSS IN REPEATEDLY MATED FEMALE AEDES AEGYPTI.
A Spielman M G Leahy V Skaff
Biol Bull 132(3):404-412 REF
Jun 1967 442.8 B52
Aedes aegypti, Insect behavior, Mating, Semen.

5622-69
APPARENT DDT TOLERANCE IN AN AQUATIC INSECT DISPROVED BY TEST.
J B Sprague
Can Entomol 100(3):279-284 REF
15 Mar 1968 421 C16
Aquatic insects, DDT, Ephemeroptera, Insecticide resistant insects, Plecoptera.

5623-69
FEEDING MECHANISM OF A FRUIT-SUCKING MOTH OTHREIS MATERNA (LEPIDOPTERA: NOCTUIDAE).
R P Srivastava J K Bogawat
Ann Mag Natur Hist 3(2, APR-JUN):165-181 REF
Jun 1969 410 AN77
Food habits, Insect adaptation, Insect morphology, Mouth parts, Muscles, Noctuidae.

5624-69
EMIGRATION AND MORTALITY RATES AND THE FOOD-SHELTER CONDITIONS OF LIGIDIUM HYPNORUM L. (ISOPODA).
A Stachurski
Ekol Pol Ser A (SER A)16(21):445-460
1968 512 W263
Insect migration, Insect nutrition, Isopoda, Mortality. Polish summary.

5625-69
THE STUDY OF VIRUS EPIZOOTICS IN INSECT POPULATIONS.
G R Stairs
275-279 REF
1967 SB932.I5
Epizootic diseases, Histopathology, Insect diseases, Insect populations, Polyhedroses, Viruses.

5626-69
MOSQUITO COLLECTIONS IN A HIGH RAINFALL AREA OF NORTH QUEENSLAND, 1963-1964.
H A Standfast G J Barrow
J Med Entomol 6(1):37-43 MAP REF
30 Jan 1969 421 J828
Climate, Culex annulirostris, Culicidae, Insect vectors, Medical entomology, Zoogeography.

5627-69
INSECTICIDAL AND ACARICIDAL EFFECT OF SOME BINARY MIXTURES. (CZ)
A Stanova J Drabek S Gaher J Jurigova
Agrochemia 8(7):203-205 REF
1968 385 AG88
Acaricides, Chemical control (insects), Experimental insects, Formulations, Insect biology, Insecticides, Malathion, Musca domestica, Organophosphorus compounds, Tetranychus urticae. English, Russian, and German summaries.

5628-69
APHIDOFAUNA OF HONEY PLANTS AS A SOURCE OF SUBSIDIARY HOSTS OF APHIDIID WASPS (HYMENOPTERA, APHIDIIDAE). (RUS)
P Stary
Acta Ent Bohemoslov 59(1):42-58 REF
1962 420 C33
Aphididae, Beneficial insects, Braconidae, Food habits, Host indexing (plants), Insect ecology, Insect pests, Parasitism. English summary.

5629-69
A RELATIONSHIP BETWEEN IONIC ENVIRONMENT AND HORMONAL ACTIVATION OF PHOSPHORYLASE IN AN INSECT.
J E Steele
Compar Biochem Physiol 29(2):755-763 REF
May 1969 444.8 C73
Fat body, Hormones, Insect biochemistry, Insect physiology, Ions, Periplaneta americana, Phosphorylases, Potassium, Sodium.

5630-69
LACK OF EFFECT OF CONSTANT MAGNETIC FIELDS ON DROSOPHILA EGG HATCHING TIME.
H B Steen P Oftedal
Experientia 23(10):814
15 Oct 1967 475 EX7
Drosophila melanogaster, Hatching, Insect eggs, Magnets.

5631-69
RELATIVE SUSCEPTIBILITY OF STORED-PRODUCT INSECTS TO INSECTICIDES.
R G Strong
Pest Contr Oper News 28(2):22-23,30
Feb 1968 SB951.A1P4
Diazinon, Insect cultures, Insect pests, Insecticide residues, Insecticides, Malathion, Organophosphorus compounds, Spraying, Stored products, Surface-active agents. Many other insecticides and their effectiveness against specific insects are discussed.

5632-69
IMMATURE STAGES OF ELASMOTROPIS TESTACEA (H. -S.) AND NOTES ON THE BIONOMICS OF THE SPECIES (HETEROPTERA, TINGIDAE).
J M Stusak
Acta Ent Bohemoslov 59(1):19-27 REF
1962 420 C33
Bionomics, Host indexing (plants), Insect identification, Insect physiology, Metamorphosis, Tingidae. Czech summary.

5633-69
REPORT OF THE SUFFOLK COUNTY MOSQUITO CONTROL COMMISSION.
16P MAP
1967 428 SU2
Costs, Culicidae, Insect control, Insect populations, Insect traps, Larvicides, Oils, Precipitation, Temperature, Zoogeography.

5634-69
STERILIZING EFFECT OF HIGH TEMPERATURE ON THE MALE SILKWORM, BOMBYX MORI L. (LEPIDOPTERA: BOMBYCIDAE).
E Sugai I Ashoush
Appl Entomol Zool 3(3):99-102
Sep 1968 SB599.A6
Bombyx mori, Insect physiology, Sterility, Temperature.

5635-69
DOSE RATE EFFECT OF RADIATION ON SPERMATOGONIA OF THE SILKWORM.
E Sugai T Iijima
Nature 213(5079):943-944 REF
04 Mar 1967 472 N21
Bombyx mori, Dosage, Insect biology, Irradiation.

5636-69
BASIC FUNCTIONS IN BACILLUS THURINGIENSIS AFFECTING ITS MODE OF PATHOGENSIS.
P Surany
247-248
1967 SB932.I5
Bacillus thuringiensis, Genetics, Parasitism, Viruses.

5637-69
TEMPERATURE AND HUMIDITY EFFECTS ON THE OVIPOSITION OF HYALOMMA AEGYPTIUM TICKS OF DIFFERENT ENGORGEMENT WEIGHTS.
G K Sweatman
J Med Entomol 5(4):429-439 REF
30 Oct 1968 421 J828
Environment, Humidity, Hyalomma aegyptium, Insect temperature, Lizards, Medical entomology, Ovipositors, Turtles.

5638-69
GROWTH OF CELLS DERIVED FROM CULISETA INORNATA AND AEDES VEXANS IN TISSUE CULTURE. A PRELIMINARY NOTE.
B H Sweet L T Dupree
Mosquito News 28(3):368-373 REF
Sep 1968 421 M85
Aedes vexans, Culiseta inornata, Cytology, Pupae, Tissue culture.

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DIEL PATTERNS OF SWARMING AND OTHER ACTIVITIES OF TWO ARCTIC DIPTERANS (CHIRONOMIDAE AND TRICHOCERIDAE) ON SPITSBERGEN.
J Syrjamaki
Oikos 19(2):250-258 REF
1968 410 O14
Chironomidae, Diptera, Insect behavior, Photoperiodism, Swarming.

5640-69
FUNCTIONAL RESPONSE TO HOST DENSITY IN A PARASITIC WASP, WITH REFERENCE TO POPULATION REGULATION.
F Takahashi
Res Population Ecol 10(1):54-68 REF
Jun 1968 420 K99
Cadra cautella, Chemoreceptors, Ichneumonidae, Insect behavior, Insect ecology, Insect rearing, Larvae, Parasitic insects, Population, Pyralidae, Venturia canescens. Japanese summary.

5641-69
SALIVARY SECRETION IN THE CATTLE TICK AS A MEANS OF WATER ELIMINATION.
R J Tatchell
Nature 213(5079):940-941 REF
04 Mar 1967 472 N21
Boophilus annulatus microplus, Insect pests, Insect physiology, Salivary glands (insects), Secretion, Water.

5642-69
BIOLOGICAL OBSERVATIONS ON AEGERIA APIFORMIS CL. (SP)
J Templado
Soc Espan Hist Natur Bol Secc Biol 65(1-2):65-78 MAP REF
30 Sep 1967 442.9 SO18
Aegeria apiformis, Insect biology, Insect pests, Mimicry, Populus. English summary.

5643-69
WING REDUCTION IN ENDEMIC HAWAIIAN PSOCIDS.
I W B Thornton
Ann Mag Natur Hist 1(1,JAN-MAR):149-150
Mar 1967 410 AN77
Insect evolution, Insect morphology, Psocoptera, Wings (insects).

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ON THE BIOLOGY AND ECOLOGY OF THE OPILIONID MITOPUS MORIO F.. (GE)
W Tischler
Biol Zentralbl 86(4,JUL-AUG):473-484 REF
Aug 1967 442.8 B523
Insect behavior, Insect biology, Insect ecology, Oviposition, Phalangida, Zoogeography. English abstract.

5645-69
ON EMERGENCE TIMES WITHIN THE GENUS POLAMORPHYLAX WALLENGREN (TRICHOPTERA, LINNEPHILIDAE). (GE)
W Tobias D Tobias
Oikos 19(2):396-399
1968 410 O14
Insect behavior, Insect emergence, Limnephilidae, Photoperiodism, Statistical analysis, Zoogeography.

5646-69
BIOLOGY OF DUFOUREA AND OF ITS CLEPTOPARASITE, NEOPASITES (HYMENOPTERA: APOIDEA).
P F Torchio J G Rozen G E Bohart M S Favreau
N Y Entomol Soc J 75(3):132-146
Sep 1967 420 N48J
Anthophoridae, Apidae, Dufourea, Food habits, Habitats, Halictidae, Insect biology, Insect ecology, Neopasites, Ovulation, Parasitic insects.

5647-69
VARIATION IN CHLORION LATREILLEI (HYMENOPTERA, SPHECIDAE). (SP)
H Toro S Gallardo
Chile Univ Centro Estud Entomol Publ (8):45-60
1966 420 C432
Insect anatomy, Insect identification, Sphecidae.

5648-69
THE FINE STRUCTURE OF THE VENTRAL INTERSEGMENTAL ABDOMINAL MUSCLES OF THE INSECT RHODNIUS PROLIXUS DURING THE MOLTING CYCLE. II MUSCLE STRUCTURE AT MOLTING.
P A Toselli F A Pepe
J Cell Biol 37(2):445-461 REF
May 1968 442.8 J828
Abdomen, Electron microscopy, Insect histology, Molting (insects), Muscles, Rhodnius prolixus.

5649-69
THE FINE STRUCTURE OF THE VENTRAL INTERSEGMENTAL ABDOMINAL MUSCLES OF THE INSECT RHODNIUS PROLIXUS DURING THE MOLTING CYCLE. II. MUSCLE CHANGES IN PREPARATION FOR MOLTING.
P A Toselli F A Pepe
J Cell Biol 37(2):462-481 REF
May 1968 442.8 J828
Abdomen, Electron microscopy, Insect histology, Insect physiology, Molting (insects), Muscles, Rhodnius prolixus.

5650-69
EGG REDUCTION OF THE COLORADO BEETLE (LEPTINOTARSA DECEMLINEATA SAY) AS A HUNGER-DEPENDENT REACTION.
P Trojan
Ekol Pol Ser A (SER A)16(6):171-183 REF
1968 512 W263
Aphididae, Insect eggs, Leptinotarsa decemlineata, Potatoes, Predaceous insects. Polish summary.

5651-69
AN ANION-STIMULATED ADENOSINE TRIPHOSPHATASE FROM THE POTASSIUM-TRANSPORTING MIDGUT OF THE LARVA OF HYALOPHORA CECROPIA.
B O Turbeck S Nedergaard H Kruse
Biochim Biophys Acta Enzymol 163(3):354-361 REF
05 Nov 1968 381 B522
Adenosine triphosphatase, Adenosinetriphosphatase, Biological assay, Biological transport, Gastrointestinal system, Hyalophora cecropia, Hydrogen-ion concentration, Insect physiology, Ions, Potassium.

5652-69
THE OCCURRENCE OF ARGAS JAPONICUS AND IXODES LIVIDUS IN NAGANO PREFECTUR, JAPAN (IXODOIDEA: ARGASIDAE; IXODIDAE).
K Uchikawa A Sato
J Med Entomol 6(1):95-97 MAP
30 Jan 1969 421 J828
Argas japonicus, Argasidae, Insect ecology, Insect pests, Ixodidae, Medical entomology, Zoogeography.

5653-69
LIFE CYCLES OF BENTHIC INSECTS IN LAPLAND STREAMS (EPHEMEROPTERA, PLECOPTERA, TRICHOPTERA, DIPTERA SIMULIIDAE).
S Ulfstrand
Oikos 19(2):167-190 MAP REF
1968 410 O14
Aquatic insects, Ephemeroptera, Life cycle, Plecoptera, Simuliidae, Streams, Trichoptera.

5654-69
AN INFECTION OF STREPTOCOCCUS FAECALIS ANDREWES ET HORDER IN THE PINE LOOPER MOTH, BUPALUS PINIARIUS L. (LEPIDOPTERA, GEOMETRIDAE). (GE)
S Urban
Biol Zentralbl 87(5,SEP-OCT):617-624 REF
Oct 1968 442.8 B523
Bacterial diseases (insects), Bupalus piniaria, Geometridae, Larvae, Pupae, Streptococcus faecalis. English abstract

5655-69
SEASONAL DISTRIBUTION, SEX RATIOS, AND MATING OF FEMALE NOCTUID MOTHS IN BLACKLIGHT TRAPPING STUDIES.
P V Vail A F Howland T J Henneberry
Entomol Soc Amer Ann 61(2):405-411
15 Mar 1968 420 EN82
Insect populations, Insect traps, Noctuidae, Temperature.

5656-69
FEWER PESTICIDES- MORE CONTROL.
R Van Den Bosch
Science 164(3879):497
02 May 1969 470 SCI2
Chemical control (pests), Chlorinated hydrocarbons, DDT, Ecology, Pesticides, Regulations.

5657-69
INSECT PATHOLOGY AND MICROBIAL CONTROL. PROCEEDINGS OF THE INTERNATIONAL COLLOQUIUM ON INSECT PATHOLOGY AND MICROBIAL CONTROL, WAGENINGEN, THE NETHERLANDS, SEPTEMBER 5/10, 1966.
P A Van Der Laan
North-Holland Publishing Co., Amsterdam, Netherlands 360P
1967 SB932.I5
Biological control (insects), Entomology, Insect diseases, Insecticide resistant insects, Insecticides, Integrated control (insects).

5658-69
LAWN INSECTS; HOW TO CONTROL THEM.
A M Vance B A App
U S D A Home Gard Bull (53):24P
Mar 1969 1 AG84HG
Accident prevention, Chemical control (insects), Insect pests, Insecticides, Lawns, Plant injuries.

5659-69
SEXUAL DIMORPHISM OF LARVAE AND PUPAE OF AEDES AEGYPTI (LINN.).
V M Vargas
Mosquito News 28(3):374-379 REF
Sep 1968 421 M85
Aedes aegypti, Gonads, Insect morphology, Larvae, Polymorphism, Pupae.

5660-69
DEVELOPMENT AND STUDY OF FILLER COMPOSITION OF AEROSOL DISPENSERS FOR CONTROLLING FLYING INSECTS.
V I Vashkov V M Tsetlin A P Volkova L I Brikman I V Bessonova
J Hyg Epidemiol Microbiol Immunol 11(3):301-308 REF
1967 448.8 J826
Chemical control (insects), Dichlorvos, Insect control, Insecticidal aerosols, Pyrethrum.

5661-69
LACE BUGS.
L M Vasvary
Rutgers State Univ Ext Leafl (213-A):2P
1969 275.29 N46L
Carbamates, Carbaryl, Chemical control (insects), Chlorinated hydrocarbons, Dimethoate, Insect pests, Insecticides, Lindane, Malathion, Organophosphorus compounds, Tingidae.

5662-69
BAGWORM.
L M Vasvary
Rutgers State Univ Ext Leafl (192-A):2P
1969 275.29 N46L
Carbamates, Carbaryl, Chemical control (insects), Chlordane, Chlorinated hydrocarbons, Diazinon, Insect pests, Insecticides, Malathion, Organophosphorus compounds, Plant injuries, Psychidae, Shrubs, Thuja, Thyridopteryx ephemeraeformis, Trees.

5663-69
EUROPEAN PINE SHOOT MOTH.
L M Vasvary
Rutgers State Univ Ext Leafl (129-B):2P
1969 275.29 N46L
Carbamates, Carbaryl, Chemical control (insects), Chlorinated hydrocarbons, DDT, Insect identification, Insect pests, Insecticide application, Olethreutidae, Rhyacionia buoliana.

5664-69
RESEARCH ON THE DISEASE DUE TO METARRHIZIUM ANISOPLIAE, IN THE MIGRATORY LOCUST. (FR)
K H Veen
Wageningen Landvouw Lab Fytopathol Med 68(5):77P REF
1968 464.04 W12
Biological control (insects), Disease transmission, Fungi, Insect diseases, Metarrhizium anisopliae, Schistocerca gregaria. English summary.

5665-69
SENSITIVITY DURATION IN THE PHOTOPERIOD FOR THE INHIBITION OF MATURATION OF A GROUP OF LOCUSTA MIGRATORIA MIGRATORIA L. (ORTHOPTERA), GROUP KAZALINSK . (FR)
M Verdier
Acad Sci Compt Rend Ser D Sci Nat 268(2, 1ST SEMESTER):333-336 REF
13 Jan 1969 505 P21
Acrididae, Locusta migratoria, Metamorphosis, Photoperiodism.

5666-69
DEVELOPMENT COURSE OF NORTHERN CATTLE GRUB, HYPODERMA BOVIS, MALE REPRODUCTIVE CELLS. (LA)
R Vitomska
Latv P Sr Zinat Akad Vestis 7(240):100-103
1967 511 R442
Hypoderma bovis, Insect biology, Insect physiology, Metamorphosis, Reproductive organs. English and Russian summaries.

5667-69
INTEGRATED AND HARMONIOUS CONTROL OF INSECT PESTS. (DU)
A D Voute
T N O (toegepast- Natuurwetensch Onderz)-nieuws 23(10):397-399 REF
Oct 1968 475 T11
Biological control (insects), Chemical control (insects), Insect pests, Integrated control (insects), Nomenclature. English summary.

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SUSCEPTIBILITY OF AN ALFALFA LEAF-CUTTING BEE TO RESIDUES OF INSECTICIDES ON FOLIAGE.
G D Waller
J Econ Entomol 62(1):189-192
17 Feb 1969 421 J822
Alfalfa, Carbaryl, Chemical control (insects), DDT, Insecticide residues, Leaves, Megachile rotundata, Mortality, Susceptibility.

5669-69
THE GROWTH AND ACTIVITY OF THE CORPORA ALLATA IN THE LARVAL FIREBRAT, THERMOBIA DOMESTICA (PACKARD) (THYSANURA, LEPISMATIDAE).
J A L Watson
Biol Bull 132(2):277-291 REF
Apr 1967 442.8 B52
Corpora allata, Cuticle, Insect histology, Larvae, Thermobia domestica, Tissue transplants.

5670-69
STUDIES OF PHYSIOLOGICALLY ACTIVE ARTHROPOD SECRETIONS. II. SOME OBSERVATIONS ON THE SCENT PENCILS OF MALE VITULA EDMANDSAE (LEPIDOPTERA: PHYCITIDAE).
J Weatherston J E Percy
Can Entomol 101(3):280-285 REF
Mar 1969 421 C16
Glands (insects), Insect histology, Insect morphology, Pheromones, Phycitidae, Secretion, Sex attractants. French summary.

5671-69
OPTICAL ORIENTATION MECHANISMS IN THE HOMING BEHAVIOR OF CATAGLYPHIS BICOLOR FAB. (FORMICIDAE, HYMENOPTERA). (GE)
R Wehner
Rev Suisse Zool 75(4):1076-1085 REF
Dec 1968 410 R324
Cataglyphis bicolor, Formicidae, Insect behavior, Insect physiology, Vision.

5672-69
HOMING IN THE ANT CATAGLYPHIS BICOLOR.
R Wehner R Menzel
Science 164(3876):192-194
11 Apr 1969 470 SCI2
Cataglyphis bicolor, Insect behavior, Insect ecology, Social insects, Zoogeography.

5673-69
THERMOBIA DOMESTICA (PACKARD 1873). (GE)
H Weidner
Prakt Schadlingsbekampfer 20(5):55-56
May 1968 421 P882
Flour, Insect ecology, Insect morphology, Lepisma saccharina, Thermobia domestica, Thysanura.

5674-69
CONTRIBUTION TO THE STUDY OF THE POPULATION DYNAMICS OF THE PLANT LOUSE TOXOPTERA AUTANTII (BOYER) ON LEMON TREES (CITRUS LIMON BURM). (CZ)
L Weismann M M Diaz
Biologia (bratislava) 23(2):132-137
1968 442.8 B5265
Aphididae, Demography, Insect pests, Lemons, Toxoptera aurantii. Czech, russian and german abstracts

5675-69
ECOLOGICAL STUDIES ON APHIDS. I. ON THE TEMPERATURE RELATIONS OF THE VIRGINOPARAE (ALIENCOLAE) OF MYZUS PERSICAE AT CONSTANT TEMPERATURES ON SWEDES. (GE)
K Weitzel A Raeuber
Entomol Exp Appl 11(2):115-132 REF
1968 421 EN895
Insect ecology, Myzus persicae, Natural control (insects), Rape, Reproduction, Temperature. English summary.

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POSTNATAL TREATMENT OF THE CABBAGE APHID WITH A SYNTHETIC JUVENILE HORMONE.
D F White
J Insect Physiol 14(7):901-912 REF
Jul 1968 421 J825
Biochemistry, Brevicoryne brassicae, Hormones, Insect abnormalities, Insect morphology.

5677-69
USE OF BIOASSAY IN PLANT PROTECTION.
H Wiegand
338-339
1967 SB932.I5
Bacteria, Biological assay, Biological control (insects), Insect pests, Methodology, Plant protection.

Summary of 2 articles by H. Wiegand. Testing of plant protection preparations in bioassay to be published in archiv fur Pflanzenschutz and Taking natural mortality into account in bioassay to be published in Biometrische Zeitschrift .

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CONTROLLING INSECT PESTS IN HEADER-HARVESTERS.
P Williams
J Agr 67(1):8-10
Jan 1969 23 V66J
Chemical control (insects), Insect control, Insect pests, Wheat.

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SALICYLANILIDES: A NEW GROUP OF ACTIVE UNCOUPLERS OF OXIDATIVE PHOSPHORYLATION.
R L Williamson R L Metcalf
Science 158(3809):1694-1695 REF
29 Dec 1967 470 SCI2
Adenosine triphosphates, Chemical reactions, Inhibitors, Mitochondria, Musca domestica, Phosphorylation, Salicylanilides.

5680-69
LIFE HISTORY, HABITS, AND DAMAGE OF CHRYSOBOTHRIS ORONO (COLEOPTERA: BUPRESTIDAE) ON RED PINE IN MICHIGAN.
L F Wilson
Can Entomol 101(3):291-298
Mar 1969 421 C16
Bionomics, Buprestidae, Forest insects, Insect behavior, Insect pests, Insect physiology, Pinus banksiana, Pinus resinosa, Plant injuries.

5681-69
CUTICULAR WATER PUMP IN INSECTS.
P W Winston
Nature 214(5086):383-384
22 Apr 1967 472 N21
Acrididae, Blattidae, Cuticle, Insect physiology, Locusta migratoria, Periplaneta americana, Water.

5682-69
NEW RECORDS AND SPECIES OF NEOTROPICAL BARK BEETLES (SCOLYTIDAE: COLEOPTERA).
S L Wood
Great Basin Natur 27(2):79-97
05 Sep 1967 410 G79
Insect taxonomy, Scolytidae, Zoogeography.

5683-69
MALE GENITAL DISC DEFECT IN DROSOPHILA MELANOGASTER.
C M Woolf
Genetics 60(1,PT.1):111-121
Sep 1968 442.8 G28
Abnormalities, Chromosomes, Culture media, Drosophila melanogaster, Genes, Reproduction, Research.

5684-69
AN IMPROVED METHOD FOR THE COLLECTION OF LARGE NUMBERS OF INSEMINATED EGGS OF DROSOPHILA MELANOGASTER.
F E Wurgler H Ulrich H W Spring
Experientia 24(10):1082-1083 REF
15 Oct 1968 475 EX7
Drosophila melanogaster, Eggs, Insect rearing, Methodology.

5685-69
INITIATION OF POLYHEDROSIS PRODUCTION IN VITRO.
K Yamafuji
26-27
1967 SB932.15
Biochemistry, Deoxyribonucleic acid, Dna viruses, Hydroxylamine, Insect diseases, Mutagens, Polyhedroses, Virology.

5686-69
OBSERVATIONS ON THE USE OF A PREPARATION OF BACILLUS THURINGIENSIS VAR. THURINGIENSIS BERLINER, FOR THE CONTROL OF THE OLIVE MOTH (PRAYS OLEAE BERN.).
C Yamvrias
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1967 SB932.15
Bacillus thuringiensis, Biological control (insects), Climate, Insect pests, Methodology, Prays oleelus.

5687-69
DETERMINING SUITABLE WINTERING AND HATCHING REGIMES OF THE EGGS OF THE SILK WORM (BOMBYX MORI L.). (BUL)
A Yankov M Petkov
Zhivotnovudni Nauk 5(3):85-94 REF
1968 49 Z65
Bombyx mori, Hibernation, Insect biology, Insect breeding, Insect eggs, Larvae, Lepidoptera, Storage, Temperature. English and Russian summary

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SYSTEMICS, A NEW TOOL FOR THE HOME GARDENER.
W H Youngman
Amer Hort Mag 48(1,WINTER):12-19 REF
1969 80 N216
Chemical control (insects), Demeton, Dimethoate, Disulfoton, Oxydemetonmethyl, Plant physiology, Systemic insecticides.

5689-69
LIPIDS IN THE MELANIC MUTANT OF THE LARGE MILKWEED BUG, ONCOPELTUS FASCIATUS.
W J Yurkiewicz K E Whelchel
Compar Biochem Physiol 29(2):879-883 REF
May 1969 444.8 C73
Chromatography, Insect biochemistry, Insect mutation, Lipids, Oncopeltus fasciatus, Sex.

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METABOLISM OF ORGANOPHOSPHORUS INSECTICIDES. IX. DISTRIBUTION, EXCRETION AND METABOLISM OF DIMETHOATE PRODENIA LITURIA. (ABSTRACT).
S M A D Zayed A Hassan I M I Fakhr
Excerpta Med Pharm Toxicol 21(12):600
Dec 1968 241.64 EX23
Dimethoate, Insect physiology, Insecticides, Isotopes, Larvae, Metabolism, Metabolites, Noctuidae, Organophosphorus compounds, Prodenia litura. From Biochemical Pharmacology, 1968, 17/7, (1339-1347).

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ON THE PHOTOPOSITIVE RESPONSES OF SOME INSECTS TOWARDS MONOCHROMATIC LIGHTS.
J Zdarek J Pospisil
Acta Ent Bohemoslov 5(63):341-347 REF
1966 420 C33
Attractants, Color, Habitats, Insect behavior, Insect ecology, Light, Phytophagous insects.

Aphis fabae, Leptinotarsa decemlineata, Pegomyia hyoscyami, Adalia bipunctata, Muscina stabulans, Stomoxys calcitrans and Trichogramma evanescens were tested for their responses.

5692-69
USE OF SOME HOST INSECTS TO INCREASE TRICHOGRAM EFFECTIVENESS. (LA)
A Zilsparne
Latv P Sr Zinat Akad Vestis (7):91-95
1968 511 R442
Beneficial insects, Biological control (insects), Insect eggs, Moths, Parasitism, Trichogramma. English summary.

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PARASITE PHYLOGENY PROBLEMS OF THE MALLOPHAGA OF PASSERIFORMES AND PICIFORMES. (GE)
J Zlotorzycka
Angew Parasitol 09(1):45-53
Feb 1968 436.8 AN4
Birds, Insect evolution, Mallophaga, Parasitic insects, Pigeons, Poultry. German abstract

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AGGRESSIVENESS OF DIFFERENT SPECIES OF SANDFLIES TOWARDS MAN AND THEIR INFECTION RATE WITH L. TROPICA MAJOR AT THE MOMENT OF BLOOD-SUCKING. (RUS)
T V Zvyagintseva
Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):570-574
1968 448.8 M469
Human diseases, Insect behavior, Insect diseases, Leishmaniasis, Medical entomology, Phlebotomus. English summary.

5695-69
HOW DO NATIVE INSECT PARASITES BEHAVE IN RELATION TO IMPORTED INSECT HOSTS, ALIEN TO THE NATIVE FAUNA . (GE)
H Zwolfer H Pschornwalcher
Anz Schadlingskunde 41(4):51-55 REF
Apr 1968 421 AN9
Calophasia lunula, Cnephasia, Diprionidae, Fenusa pusilla, Hymenoptera, Insect behavior, Lepidoptera, Parasitic insects, Poraswammerdamia caesiella, Thymelicus lineola.

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KARYOTYPES OF SOME ASIAN MOSQUITOES OF THE SUBFAMILY CULICINAE (DIPTERA: CULICIDAE).
R H Baker M Aslamkhan
J Med Entomol 6(1):44-52 REF
30 Jan 1969 421 J828
Chromosomes, Culicidae, Insect genetics, Medical entomology. Fifteen species of mosquitoes are discussed.

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POLYMORPHISM IN PIERIS: SUPPOSED LETHALITY OF HOMOZYGOUS SUBTALBA (LEP., PIERIDAE).
S R Bowden
Entomologist (london) 100(1255):307-314
Dec 1967 421 EN8
Demography, Genes, Insect genetics, Pieridae, Polymorphism.

5698-69
CHROMOSOME STUDIES IN DIPLOPODA (MYRIAPODA). A NOTE ON THE ABNORMAL SEX-CHROMOSOME BEHAVIOUR IN THE MALE OF THYROPYGUS SP..
B N Chowdaiah
Cur Sci 36(4):105-106
20 Feb 1967 475 SCI23
Chromosomes, Harpagophoridae, Insect cytology, Insect genetics.

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MORPHOLOGICAL DIVERGENCES AND STERILITY BARRIERS IN THE AEDES MARIAE COMPLEX (DIPTERA, CULICIDAE). (IT)
M Coluzzi A Sabatini
Riv Parassitol 29(1):49-70 MAP REF
Mar 1968 436.8 R52
Aedes, Chromosomes, Culicidae, Insect genetics, Insect morphology, Sterility. English summary.

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ENVIRONMENTAL AND GENETIC VARIATIONS OF WING SIZE, CELL SIZE AND CELL DIVISION RATE, IN DROSOPHILA MELANOGASTER.
J Delcour F A Lints
Genetica 37(4):543-556 REF
1967 442.8 G282
Cell division, Cells, Drosophila melanogaster, Environment, Insect genetics, Sex, Temperature, Wings (insects).

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CENTROMERE NATURE OF THE CHROMOSOMES OF RANATRA (HETEROPTERA).
R N Desai S B Deshpande
Experientia 25(4):386-387
15 Apr 1969 475 EX7
Chromosomes, Insect genetics, Meiosis, Mitosis, Nepidae, Ranatra.

5702-69
EFFECTS OF SELECTION AND MIGRATION ON GEOTACTIC AND PHOTOTACTIC BEHAVIOUR OF DROSOPHILA. II.
Th Dobzhansky B Spassky J Sved
Roy Soc Proc Ser B, Biol Sci 173(1031):191-207

20 May 1969 501 L84B
Drosophila pseudoobscura, Geotropism, Insect behavior, Insect genetics, Insect migration, Phototropism, Population.

5703-69
MEIOSIS. III: THE ELASTICA, AND MARKOV PROCESSES AS MODEL FOR NON-RANDOM SEGREGATION FROM ASSOCIATED NON-HOMOLOGUES IN DROSOPHILA.
L T Douglas
Genetica 39(3-4):289-328 REF
1968 442.8 G282
Drosophila melanogaster, Insect genetics, Markov chains, Mathematical analysis, Meiosis.

5704-69
GENETICS AND ACTIVITY IN DROSOPHILA MELANOGASTER.
A W Ewing
Experientia 23(5):330-332
15 May 1967 475 EX7
Drosophila melanogaster, Insect behavior, Insect genetics.

5705-69
NUCLEIC ACID CONTENT OF A DIPLOID AND OF A TRIPLOID STRAIN OF DROSOPHILA MELANOGASTER.
R Fahrig F Anders
Experientia 23(4):269-270
15 Apr 1967 475 EX7
Cytogenetics, Drosophila melanogaster, Insect genetics, Nucleic acids, Polyploidy.

5706-69
MUTANTS AT THE BOBBED LOCUS IN DROSOPHILA MELANOGASTER: RELATION TO RIBOSOMAL RNA SYNTHESIS .
E S Gersh
Science 162(3858):1139
06 Dec 1968 470 SCI2
Chromosomes, Drosophila melanogaster, Insect genetics, Insect mutation, Ribonucleic acid, Ribosomes, Synthesis.

5707-69
THE VARIATION FROM YEAR TO YEAR OF THE CONCENTRATION AND ALLELISM OF LETHAL MUTATIONS IN NEIGHBOURING NATURAL POPULATIONS OF DROSOPHILA MELANOGASTER. (RUS)
M D Golubovskii G V Viktorova
Genetika 4(8):48-57 REF
1968 QH431.A1G4
Alleles, Drosophila melanogaster, Insect genetics, Insect mutation, Lethal factor, Population. English summary.

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INSECTICIDE RESISTANCE IN THE HOME OF CULEX PIPIENS FATIGANS WIEDEMANN. (FR)
J Hamon J Mouchet
World Health Organ Bull 37(2):277-286 REF
1967 449.9 W892B
Chemical control (insects), Culex pipiens quinquefasciatus, Dieldrin, DDT, Insect genetics, Insect physiology, Insecticide resistant insects, Larvae. Summary in English

5709-69
STUDIES IN EXPERIMENTAL BEHAVIOR GENETICS: V. NEGATIVE GEOTAXIS AND FURTHER CHROMOSOME ANALYSES IN DROSOPHILA MELANOGASTER.
J Hirsch G Ksander
J Compara Physiol Psychol 67(1):118-122
Jan 1969 410 J822
Chromosomes, Drosophila melanogaster, Geotropism, Insect behavior, Insect genetics.

5710-69
POPULATION GENETICS IN THE AMERICAN TROPICS. II. THE COMPARATIVE GENETICS OF DROSOPHILA IN EUROPEAN AND NEOTROPICAL ENVIRONMENTS.
H F Hoenigsberg L E Castro L A Granobles J M Idrobo
Genetica 40(1):43-60 REF
1969 442.8 G282
Drosophila melanogaster, Insect ecology, Insect genetics.

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THE EXPLOITATION OF GENETIC HETEROGENEITY AMONG THE FOUNDERS OF LABORATORY POPULATIONS OF DROSOPHILA PRIOR TO DIRECTIONAL SELECTION.
S M W Hosgood P A Parsons
Experientia 23(12):1066-1067
15 Dec 1967 475 EX7
Drosophila melanogaster, Insect genetics, Insect rearing.

5712-69
CROSSING-OVER IN THE MALES OF DROSOPHILA ANANASSAE: EXCHANGES IN IRRADIATED PUPAE.
P G Kale
Int J Radiat Biol 13(1):1-12 REF
15 Dec 1967 444.8 IN8
Drosophila ananassae, Insect genetics, Irradiation, Pupae. French and German abstracts.

5713-69
STUDIES ON THE MECHANISM OF DDT-RESISTANCE IN CULEX PIPIENS FATIGANS.
R L Kalra A S Perry J W Miles
World Health Organ Bull 37(4):651-656 REF
1967 449.9 W892B
Aedes aegypti, Culex pipiens quinquefasciatus, DDT, Insect biology, Insect genetics, Insecticide resistant insects. French summary

5714-69
THE CHROMOSOMES OF THE CADDIS-FLY, GLYPHOTAELIUS PELLUCIDUS (RETZIUS, 1783) (TRICHOPTERA: LIMNEPHILIDAE, LIMNEPHILINAE).
B Kiauta L Lankhorst
Genetica 40(1):1-6 REF
1969 442.8 G282
Chromosomes, Insect genetics, Limnephilidae, Meiosis, Sex determination.

5715-69
CHROMOSOMAL REARRANGEMENTS INDUCED IN DROSOPHILA SALIVARY GLAND CHROMOSOMES BY AN ACRIDINE HALF MUSTARD.
S Kumar R P Sharma
Experientia 23(4):266-267 REF
15 Apr 1967 475 EX7
Chromosomes, Cytogenetics, Drosophila, Salivary glands (insects).

5716-69
CARBAMATE AND PHOSPHATE RESISTANCE IN ADULT GRANARY WEEVILS.
V Kumar F O Morrison
J Econ Entomol 60(5):1430-1434
Oct 1967 421 J822
DDT, Fenthion, Insecticide resistant insects, Sitophilus, Zectran.

5717-69
THE MUTAGENIC EFFECT OF 600 MEV PROTONS IN DROSOPHILA MELANOGASTER.
M J Lamb T W McSheehy C E Purdom J Baarli A H Sullivan
Int J Radiat Biol 12(1):27-34 REF
17 May 1967 444.8 IN8
Drosophila melanogaster, Insect genetics, Insect mutation, Protons, X-rays.

5718-69
ANALYSIS OF CHRONATIN IN MALE AND FEMALE MEALY BUGS. (PLANOCOCCUS CITRI).
M W Loewus
Nature 218(5140):474-476 REF
04 May 1968 472 N21
Biological assay, Chromatin, Chromosomes, Insect genetics, Planococcus citri, Pseudococcidae.

5719-69
GENETIC AND ENVIRONMENTAL CONTROL OF MELANOTIC TUMORS IN DROSOPHILA.
K Mampell
Genetica 37(4):449-465
1967 442.8 G282
Drosophila melanogaster, Insect genetics, Insect nutrition, Neoplasms, Temperature.

5720-69
SELECTION FOR HIGHER FITNESS IN POPULATIONS OF DROSOPHILA PSEUDOOBSCURA.
D Marinkovic
Science 160(3824)199-200
12 Apr 1968 470 SCI2
Chromosomes, Drosophila pseudoobscura, Fertility, Insect genetics, Insect mutation, Insect populations.

5721-69
FECUNDITY, EGG-SIZE AND HATCHABILITY IN DROSOPHILA MELANOGASTER WITH AN X-CHROMOSOME HELD UNCHANGED.
N K Mazumdar S S Prabhu
J Genet 60(1):24-39 REF
Dec 1968 442.8 J823
Chromosomes, Drosophila melanogaster, Fertility, Insect eggs, Insect genetics.

5722-69
LINKAGE OF GOLD, ITS RECESSIVE LETHALITY AND SEX-RELATED VARIATION IN CROSSING-OVER IN CULEX PIPIENS (DIPTERA: CULICIDAE).
G A H McClelland T W Smithson
Can J Genet Cytol 10(2):374-384 REF
Jun 1968 443.8 C16
Breeding, Chromosomes, Culex pipiens, DDT, Genes, Immunity, Insect genetics, Lethal factor, Sex.

5723-69
ELIMINATION OF RADIATION-INDUCED CHROMOSOME ABERRATIONS IN EXPERIMENTAL POPULATIONS OF DROSOPHILA MELANOGASTER. (RUS)
V A Mglinetz
Genetika 4(8):81-86 REF
1968 QH431.A1G4
Chromosomes, Drosophila melanogaster, Insect genetics, Radiation. English summary.

5724-69
ON THE MULTIPLE SEX-CHROMOSOME MECHANISM IN TRAPEZONOTUS ARENARIUS L. (HETEROPTERA, LYGAEIDAE).
M Mikolajski
Experientia 23(4):270-271
15 Apr 1967 475 EX7
Cytogenetics, Insect genetics, Lygaeidae, Sex determination.

5725-69
SALIVARY GLAND CHROMOSOME VARIATION IN THE DROSOPHILA AFFINIS SUBGROUP. II. COMPARISON OF C-CHROMOSOME PATTERNS IN D. ATHABASCA AND FIVE RELATED SPECIES.
D D Miller W G Sanger
J Hered 59(6):323-327 REF
Nov 1968 442.8 AM3
Chromosomes, Drosophila affinis, Drosophila athabasca, Glands (insects), Insect genetics, Photomicrography, Salivary glands.

5726-69
LOSS OF CHROMOSOMES AND NON-DISJUNCTION INDUCED BY CAFFEINE IN DROSOPHILA.
S Mittler J E Mittler S L Owens
Nature 214(5086):424
22 Apr 1967 472 N21
Caffeine, Chromosomes, Drosophila melanogaster, Insect genetics.

5727-69
POLYTENE CHROMOSOMES IN SILK GLAND CELLS OF THE SILKWORM, BOMBYX MORI.
Y H Nakanishi H Kato S Utsumi
Experientia 25(4):384-385
15 Apr 1969 475 EX7
Bombyx mori, Chromosomes, Cytology, Electron microscopy.

5728-69
RELATIVE FITNESS OF A THIRD CHROMOSOME INVERSION IN DROSOPHILA MELANOGASTER.
R F Nassar
Australian J Biol Sci 21(6):1179-1186 REF
Dec 1968 442.8 AU72
Chromosomes, Drosophila melanogaster, Insect genetics, Insect rearing.

5729-69
CHROMOSOMES OF THE CEREAL LEAF BEETLE.
T Ninan D H Smith S G Wellso
J Hered 59(6):361-362 REF
Nov 1968 442.8 AM3
Chromosomes, Gelechiidae, Insect eggs, Insect genetics, Oulema melanopus.

5730-69
ON THE REVERSIBLE CHARACTER OF DELAYED MUTATIONS INDUCED BY NITROSOCOMPOUNDS IN DROSOPHILA MELANOGASTER.
M Ondrej
Folia Biol (praha) 15(1):17-25 REF
1969 442.8 F712
Drosophila melanogaster, Insect genetics, Insect mutation, Nitroso compounds.

5731-69
GENETICS OF RESISTANCE TO TEDION IN TETRANYCHUS URTICAE C. L. KOCH.
W P J Overmeer
Arch Neer Zool 17(3):295-349 REF
Nov 1967 410 AR27
Insect biology, Insect rearing, Insecticide resistant insects, Tetradifon, Tetranychus urticae.

5732-69
THYMIDINE TERATOGENESIS AND MUTAGENESIS IN DROSOPHILA MELANOGASTER.
O Parkash
Experientia 23(10):859-861
15 Oct 1967 475 EX7
Chromosomes, Drosophila melanogaster, Insect genetics, Insect morphology, Insect mutation, Thymidine, H-3-,.

5733-69
GENETICS OF OCTANOL DEHYDROGENASE IN DROSOPHILA METZII.
S B Pipkin
Genetics 60(1,PT.1):81-92
Sep 1968 442.8 G28
Drosophila, Electrophoresis, Genetics, Research.

5734-69
ANALYSIS OF A 6X6 DIALLEL CROSS FOR HATCHABILITY IN DROSOPHILA MELANOGASTER.
S S Prabho P Narain H P Singh S Rawat
J Genet 60(1):17-23 REF
Dec 1968 442.8 J823
Alleles, Drosophila melanogaster, Insect eggs, Insect genetics, Insect physiology.

5735-69
GENETIC VARIABILITY IN THE GERMAN COCKROACH. IV. LINKAGE STUDIES WITH MARKERS FOR GROUPS III AND VIII.
M H Ross D G Cochran
J Hered 59(5,SEP-OCT):318-320 REF
Oct 1968 442.8 AM3
Blattella germanica, Insect genetics.

Linkage data which show two genetic markers, Prowing (Pw) and notched sternite (st) to be involved with linkage groups III and VII in Blattella germanica L. are presented.

5736-69
GENETICS OF RESISTANCE TO INSECTICIDES OF THE SKA STRAIN OF MUSCA DOMESTICA. III. LOCATION AND ISOLATION OF THE FACTORS OF RESISTANCE TO DIELDRIN.
R M Sawicki A W Farnham
Entomol Exp Appl 11(2):133-142 REF
1968 421 EN895
Chlorinated hydrocarbons, Dieldrin, Insect genetics, Insecticide resistant insects, Insecticides, Musca domestica. German summary.

5737-69
THE SALIVARY CHROMOSOMES OF ANOPHELES STEPHENSI STEPHENSI.
G P Sharma R Parshad S L Narang J B Kitzmiller
J Med Entomol 6(1):68-71
30 Jan 1969 421 J828
Anopheles stephensi, Chromosomes, Insect genetics, Medical entomology, Salivary glands (insects).

5738-69
SPERMIOGENESIS IN WILD TYPE AND IN A MALE STERILITY MUTANT OF DROSOPHILA MELANOGASTER.
J R Shoup
J Cell Biol 32(3):663-675 REF
Mar 1967 442.8 J828
Cytology, Drosophila melanogaster, Electron microscopy, Spermatogenesis, Sterility.

5739-69
ATTEMPTS TO INDUCE CROSSING-OVER IN DROSOPHILA MELANOGASTER MALES WITH OVARIAN EXTRACTS.
K M Singer A Chovnick D T Suzuki D Baillie D Hoar
Nature 214(5087):503-504
29 Apr 1967 472 N21
Chromosomes, Drosophila melanogaster, Extracts, Insect cultures, Insect genetics, Ovaries.

5740-69
TEMPERATURE-SENSITIVE MUTATIONS IN DROSOPHILA MELANOGASTER, III. DOMINANT LETHALS AND SEMILETHALS ON CHROMOSOME 2.
D T Suzuki D Procunier
Nat Acad Sci Proc 62(2):369-376 REF
Feb 1969 500 N21P
Chromosomes, Drosophila melanogaster, Insect genetics, Insect mutation, Lethal factor, Temperature.

5741-69
GENETICAL LINKAGE RELATIONSHIPS OF DDT-RESISTANCE AND DIELDRIN-RESISTANCE IN CULEX PIPIENS FATIGANS WIEDEMANN.
T Tadano A W A Brown
World Health Organ Bull 36(1):101-111 REF
1967 449.9 W892B
Benzene hexachloride, Chromosomes, Culex pipiens quinquefasciatus, Dieldrin, DDT, Genes, Insect genetics, Insecticide resistant insects. French summary

Abstract: DDT - resistance due to a single principal gene. dieldrin - resistance is separated on to chromosome 3.

5742-69
UNUSUAL FILAMENTOUS STRUCTURES IN THE PARAGONIA OF MALE DROSOPHILA.
B Tandler D L Williamson L Ehrman
J Cell Biol 38(2):329-336 REF
Aug 1968 442.8 J828
Drosophila paulistorum, Electron microscopy, Inclusion bodies, Ribonucleic acid, Sterility.

5743-69
REGULAR SEGREGATION OF SEVEN ASYNAPTIC SEX CHROMOSOMES IN THE MALE OF ASPHAERA DANIELA BECHYNE (COLEOPTERA, ALTICIDAE).
N Virkki
21(1):47-
Mar 1968
Chromosomes, Coleoptera, Insect genetics, Research.

5744-69
SELECTION AND TEMPERATURE EFFECTS ON EXTRA DORSOCENTRAL BRISTLES IN DROSOPHILA MELANOGASTER.
W J Vreezen J F Veldkamp
Genetica 40(1):19-39 REF
1969 442.8 G282
Drosophila melanogaster, Insect morphology, Insect mutation, Insect rearing, Temperature.

5745-69
ON POLYMORPHISM WITHIN A CHROMOSOMES FROM POPULATIONS OF GROUND BEETLES CARABUS AURONITENS FABR. (GE)
F Weber
Experientia 23(4):257-258
15 Apr 1967 475 EX7
Carabidae, Chromosomes, Cytogenetics, Insect genetics, Polymorphism. English abstract

MEDICAL ENTOMOLOGY

5746-69
GAMBUSIA FOR COLORADO.
Anonymous
Pest Contr 37(4):28,30,32,34,36,38
Apr 1969 449.8 EX8
Biological control (insects), Culicidae, Encephalitis, Gambusia affinis, Insect vectors, Virus diseases (animals).

5747-69
A POSSIBLE ROLE OF BLOOD-SUCKING MOSQUITOES IN SPREAD OF ARBOVIRUS INFECTION IN THE AREA OF THE ZAISAN LAKE. (REF)
V N Anufrieva
Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):595-604 MAP REF
1968 448.8 M469
Arboviruses, Culicidae, Disease transmission, Insect biology, Medical entomology, Neurotropic viruses. English summary.

5748-69
A TECHNIQUE FOR FEEDING LARVAL TROMBICULID MITES ON LABORATORY MICE.
H J Baker A A Hubert C Manikumaran
J Med Entomol 5(4):511-513
30 Oct 1968 421 J828
Feeding, Insect vectors, Larvae, Medical entomology, Mice, Mites, Trombiculidae.

5749-69
RECORDS OF EYE-FREQUENTING LEPIDOPTERA FROM MAN.
H Banziger W Buttiker
J Med Entomol 6(1):53-58 REF
30 Jan 1969 421 J828
Eyes, Insect vectors, Lepidoptera, Medical entomology, Moths. French summary.

5750-69
TESTS OF LARVICIDES FOR CONTROL OF SALT-MARSH SAND FLIES (CULICOIDES), 1967.
B W Clements A J Rogers
Fla Anti-mosquito Ass Rep 39:33-42 REF
1968 420 F663
Ceratopogonidae, Creosote, Culicoides, Larvae, Larvicides.

5751-69
FALCIPARUM MALARIA TRANSMISSIBLE FROM MONKEY TO MAN BY MOSQUITO BITE.
P G Contacos W E Collins
Science 161(3836):56
05 Jul 1968 470 SCI2
Anopheles freeborni, Culicidae, Disease transmission, Human diseases, Insect vectors, Malaria, Monkeys, Parasitism, Plasmodium falciparum.

5752-69
FACTORS INFLUENCING THE PERSISTENCE OF THE GRANULOSIS VIRUS OF PIERIS BRASSICAE IN THE ENVIRONMENT.
W A L David
174-178
1967 SB932.I5
Biological control (insects), Environment, Granuloses, Insect diseases, Pieris brassicae.

5753-69
CULEX NIGRIPALPUS: SEASONAL SHIFT IN THE BIRD-MAMMAL FEEDING RATIO IN A MOSQUITO VECTOR oF HUMAN ENCEPHALITIS.
J D Edman D J Taylor
Science 161(3836):67-68
05 Jul 1968 470 SCI2
Culex nigripalpus, Encephalitis, Feeding, Human diseases, Insect behavior, Insect nutrition, Insect vectors, St. Louis encephalitis.

5754-69
SOME BIRDS OF URUGUAY PARASITIZED BY ORNITHOCTONIA ERYTHROCEPHALA (DIPTERA, HIPPOBOSCIDAE).
R Escalante
Brooklyn Entomol Soc Bull 55(3):62-63
Jun 1960 420 B79
Birds, Hippoboscidae, Insect vectors, Parasitic insects.

5755-69
UNIQUE PROBLEMS IN INSECT AND PEST CONTROL OF NASA'S MISSISSIPPI TEST FACILITY.
B J Ethridge F W Harden
Fla Anti-mosquito Ass Rep 39:50-52
1968 420 F663
Chemical control (insects), Chlorinated hydrocarbons, Culicidae, Formulations, Insect pests, Isopropoxyphenyl methylcarbamate, o-, Malathion, Naled, Organophosphorus compounds, Pest control, Polistes, Rodents.

5756-69
REPORT OF THIRTY-NINTH ANNUAL MEETING.
Fla Anti-mosquito Ass Rep 184P
1968 420 F663
Chemical control (insects), Conferences, Culicidae, Insect pests, Insecticides.

5757-69
ON THE LARVICIDAL ACTION OF CRUDE CASHEWNUT SHELL OIL.
A Joseph
Cur Sci 36(16):433
20 Aug 1967 475 SCI23
Anacardium occidentale, Chemical control (insects), Culex quinquefasciatus, Insect control, Insecticidal plants, Larvicides, Oils, Petroleum.

Crude cashewnut oil was compared with crude petroleum oil for larvicidal quality. The mortality of Culex quinquefasciatus larvae after 1, 6, 12, and 24 hours was consistently higher for the cashewnut oil.

5758-69
TRANSMISSION OF THE TULAREMIA PATHOGEN TO HOMOTHERMAL ANIMALS BY IXODES TICKS. (JPRS 44,105).
K I Kondrashkina A D Luk'yanova V P Chudesova G A Kondrashkin
13P REF
22 Jan 1968 TRANSL. 16970
Animal diseases, Disease transmission, Insect vectors, Ixodides, Microorganisms, Tularemia. Translation from Parazitologiya 1(5):405-411, 1967. issued by CFSTI.

5759-69
CONTROL OF ANOPHELINE SPECIES IN THE CANAL ZONE WITH ULTRA-LOW VOLUME SPRAYS OF MALATHION AND FENTHION.
C S Lofgren R M Altman B M Glancey
Mosquito News 28(3):353-355
Sep 1968 421 M85
Anopheles, Chemical control (insects), Fenthion, Insecticidal aerosols, Malathion.

5760-69
FIVE NEW CASES OF CHAGAS' DISEASE IN ZACATECAS AND JALISCO IN THE REPUBLIC OF MEXICO. (SP)
C M Cuartero C Ponce E R Recio
Rev Invest Salud Publica 27(1):29-36 MAP
Jan 1967 449.9 M572
Blood, Culicidae, Human diseases, Insect vectors, Serological tests, Trypanosomiasis. English summary

5761-69
SURVIVAL OF WESTERN EQUINE ENCEPHALITIS VIRUS IN TRIATOMINAE.
J A Mangiafico L Whitman R C Wallis
J Med Entomol 5(4):469-473
30 Oct 1968 421 J828
Equine encephalomyelitis, Insect vectors, Medical entomology, Rhodnius prolixus, Triatoma infestans, Virology, Western equine encephalomyelitis virus.

5762-69
SPECIES OF BORRELIA FROM A COLUMBIAN BAT. (NATALUS TUMIDIROSTRIS).
C J Marinkelle E S Grose
Nature 218(5140):487 REF
04 May 1968 472 N21
Animal diseases, Animal vectors, Bats, Borrelia, Human diseases, Medical entomology.

5763-69
MALARIA AND VICTORY IN VIETNAM.
W Modell
Science 162(3860):1346-1352 REF
20 Dec 1968 470 SCI2
Anopheles quadrimaculatus, Chemical control (insects), Chlorinated hydrocarbons, DDT, Drug therapy, Human diseases, Insect vectors, Insecticides, Malaria, Pyrethrum. Many drugs were mentioned.

5764-69
PUBLIC HEALTH PESTICIDES.
Pest Contr 37(3):15,16,19-22,24,26,28,30-32,34,36,38,40,42,44,48-49
Mar 1969 449.8 EX8
Aerial spraying, Chemical control (insects), Fumigation, Human diseases, Insect vectors, Insecticide residues, Insecticide resistant insects, Pesticides, Public health, Rodent control, Rodenticides.

5765-69
IDENTIFICATION OF THE HOST RANGE OF CULEX TRITAENIORHYNCHUS MOSQUITOES ON OKINAWA, RYUKYU ISLANDS.
N E Pennington C A Phelps
J Med Entomol 5(4):483-487
30 Oct 1968 421 J828
Culex tritaeniorhynchus, Culicidae, Feeding habits (insects), Insect identification, Insect vectors, Japanese b encephalitis, Medical entomology, Virus diseases.

5766-69
IMMUNOLOGIC STRUCTURE OF THE POPULATION IN A FOOTHILL TAIGA FOCUS OF TICK-BORNE ENCEPHALITIS IN THE ZONE OF CONSTRUCTION OF THE KRASNOYARSKAYA HYDROPOWER STATION AFTER REALIZATION OF TICK CONTROL MEASURES. (RUS)
L A Prisyagina
Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):591-595 REF
1968 448.8 M469
Encephalitis, Eradication, Human diseases, Immunity, Insect control, Insect vectors, Ixodides, Medical entomology. English summary.

5767-69
WILD MAMMALS AND FLEAS OF RED BLUFF RANCH, NEW MEXICO.
C D Rail D L Forcum J R Wheeler B E Miller
J Med Entomol 6(1):92-94
30 Jan 1969 421 J828
Ectoparasites, Insect vectors, Mammals, Medical entomology, Siphonaptera.

The fleas discussed are: Meringis rectus, Meringis nidi, Orchopeas sexdentatus, Anomiopsyllus novomexicanensis, Hoplopsyllus glacialis affinis, Polygenus gwyni, Thrassis Otus, Meringis dipodomys, and Megarthroglossus bisetis.

5768-69
WATER MANAGEMENT UNITS AND SHORE LINE MODIFICATIONS USED IN MOSQUITO CONTROL INVESTIGATIONS.
D M Rees R N Winget
Mosquito News 28(3):305-311
Sep 1968 421 M85
Aedes, Aquatic birds, Aquatic insects, Insect control, Water treatment, Watershed management.

5769-69
MOSQUITO CONTROL AND/OR HONEY BEES.
F A Robinson
Fla Anti-mosquito Ass Rep 39:58-60
1968 420 F663
Apidae, Chemical control (insects), Culicidae, Fenthion, Insecticide application, Insecticides, Larvicides, Mortality, Pesticide residues, Plant contamination.

5770-69
ATTRACTANTS AND ATTRACTANT TRAPS FOR EYE GNATS HIPPELATES PUSIO.
J P Ruff
Fla Anti-mosquito Ass Rep 39:43-49
1968 420 F663
Attractants, Baits, Biological control (insects), Chloropidae, Conjunctivitis, Hippelates pusio, Insect traps, Insect vectors.

5771-69
2,3- PENTANEDIONE AS AN ATTRACTANT FOR HIPPELATES (DIPTERA: CHLOROPIDAE).
E L Snoddy
Mosquito News 28(3):320-322 REF
Sep 1968 421 M85
Attractants, Carbonyl compounds, Hippelates, Pentanedione, 2,3-.

The carbonyl compound, 2,3-pentanedione is evaluated as an attractant for Hippelates.

5772-69
EFFICACY OF USE OF SOME PHOSPHO-ORGANIC COMPOUNDS AS ACARICIDES IN FOCI OF TICK-BORNE ENCEPHALITIS. (RUS)
I V Uspensky L N Barmina
Med Parazitol Parazitarn Bolezni 37(3,MAY-JUN):283-288 REF
1968 448.8 M469
Acaricides, Chemical control (insects), DDT, Dosage, Encephalitis, Insect vectors, Insecticide application, Ixodes persulcatus, Ixodides, Virus diseases (animals). English summary

5773-69
EFFECTS OF SUBLETHAL DOSES OF DDT ON THE REPRODUCTION AND SUSCEPTIBILITY OF CULEX PIPIENS L.
T M A Zaghloul A W A Brown
World Health Organ Bull 38(3):459-467 REF
1968 449.9 W892B
Culex pipiens, DDT, Dosage, Human diseases, Insect vectors, Insecticide resistant insects, Reproduction. French summary.

5774-69
SYNTHETIC ROUTES TO 1,1,1-TRICHLORO-2,2-BIS(P-CHLOROPHENYL) ETHANE-2-D, DEUTERO-DDT.
B Zimmerman
Diss Abstr Sect B 28(10):4081B
Apr 1968 Z5055.U49D53
Aedes aegypti, Biochemistry, Chemical control (insects), Chemicals, DDT, Hydrogen, Immunity, Insect vectors, Insecticides.

CROP PROTECTION

5775-69
KOTA, A NEW SOUTH DAKOTA OAT.
R S Albrechtsen
S Dak Agr Exp Sta Bull (554):4P
Feb 1969 100 SO82 (1)
Crop varieties, Oats, Plant breeding, Plant genetics.

5776-69
SPECIALIST ADVICE ON GROUNDNUTS.
E D Alvord
1967 MEETING:36-39
Jul 1967 S573.R45
Insect pests, Peanuts, Plant diseases, Plant protection, Tillage. In Rhodesia National Farmers' Union. Diversification guide from the RNFU Crops Conference.

5777-69
SOYA BEANS - SPECIALIST ADVICE.
E D Alvord
1967 MEETING:48-49
Jul 1967 S573.R45
Agricultural economics, Chemical control (weeds), Crop yields, Harvesting, Insect pests, Plant diseases, Soybeans, Tillage. In Rhodesia National Farmers' Union. Diversification guide from RNFU Crops Conference.

5778-69
FRUIT GROWING NOTE OF THE SEASON.
Anonymous
Agr Ferrarese 71(2):40-41
28 Feb 1967 16 AG87
Crop losses, Cultural control (plant diseases), Fertilization (plants), Fruit culture, Pesticide application, Plant protection, Pruning.

5779-69
PESTICIDE USE.
Anonymous
Agr Chem 23(12):21,24
Dec 1968 381 AG8
Chemical control (pests), Fungicides, Herbicides, Insecticides, Pesticides.

5780-69
CROP PROTECTION; COMPUTERS, SIMAZINE, CORN SEED BEETLE.
Anonymous
Crops Soils 21(5):25
Feb 1969 6 W55
Birdsfoot trefoil, Chemical control (insects), Chemical control (weeds), Diazinon, Herbicides, Insect pests, Insecticides, Organophosphorus compounds, Plant protection, Simazine, Weather.

5781-69
INTERACTION OF SOIL REACTION AND METHOD OF SEED INOCULATION ON ALFALFA.
A S Baker W P Mortensen P Dermanis
Soil Sci Soc Amer Proc 32(6,NOV-DEC):823-827 REF
1968 56.9 SO3
Alfalfa, Limestone, Peat, Plant physiology, Seeds, Soil hydrogen-ion concentration.

5782-69
SOME OBSERVATIONS AND COMMENTS ON STEM-PITTING OF PEACH, ITS CONTROL AND A NURSERY IMPROVEMENT PROGRAM.
J G Barrat
Mountainer Grower (279):17,19,21,23
Feb 1969 80 M86
Disease transmission, Fruit culture, Nurseries, Peaches, Plant disease control, Plant physiology, Stem pitting, Stems, Symptomatology, Virus diseases (plants).

5783-69
COPPER AND MANGANESE CONTENT IN DIFFERENT VARIETIES OF SPRING AND WINTER WHEAT. (RUS)
N N Basargin L A Peregudova
Vup Pitan 27(3,MAY-JUN):78-81
1968 389.8 V89
Copper, Crop varieties, Manganese, Methodology, Persulfates, Sodium diethyldithiocarbamate, Wheat.

5784-69
2,4-D METABOLISM. ENZYMATIC HYDROXYLATION OF CHLORINATED PHENOLS.
J M Bollag C S Helling M Alexander
J Agr Food Chem 16(5):826-828 REF
Sep 1968 381 J8223
Arthrobacter, Bacteria, Biochemistry, Catechol, Chemical reactions, Chlorinated phenols, Enzymes, Extracts, Herbicides, Hydroxyl, Infrared spectra, Metabolism, Microbiology, Phenols, Phenoxyacetic acid, 2,4-d.

5785-69
2,4-D METABOLISM; ENZYMATIC DEGRADATION OF CHLOROCATECHOLS.
J M Bollag G G Briggs J E Dawson M Alexander
J Agr Food Chem 16(5):829-833 REF
Sep 1968 381 J8223
Arthrobacter, Bacteria, Catechol, Chlorine, Enzymes, Herbicides, Iron, Metabolism, Microbiology, Oxygen, Phenoxyacetic acid, 2,4-d.

5786-69
PRACTICAL SOIL BIOLOGY. (GE)
A Brauns
470P STUTTGART, GUSTAV FISCHER VERLAG
1968 S591.B72
Ecology, Plant protection, Soil analysis, Soil biology, Soil fertility, Soil microorganisms, Soil science, Soil structure, Tillage. English summary.

5787-69
TIBA FRACTURES THE SOYBEAN YIELD BARRIER.
W L Colville
Crops Soils 21(7,APR-MAY):8-11
1969 6 W55
Fertilizer application, Plant regulators, Soybeans, Triiodobenzoic acid, 2,3,5-.

5788-69
UTILITY VALUE OF DIFFERENT CULTIVATED MENTHA PIPERITA VARIETIES. (POL)
W Czabajska W Szulc
Poznan Inst Przemyslu Zielarskiego Biul 13(4):200-210 REF
1967 451 P87
Crop varieties, Drug plants, Mentha piperita, Plant morphology, Polyploidy, Statistical analysis. English and Russian summaries.

5789-69
THE PRESENT AND FUTURE SITUATION OF PEACH CULTURE IN FERRARA. (IT)
I Da Tripoli
Agr Ferrarese 71(3):45-55
31 Mar 1967 16 AG87
Crop varieties, Fruit culture, Fungus diseases (plants), Insect pests, Peaches, Plant breeding, Plant protection.

5790-69
MODIFICATION OF GAMMA RAY MUTAGENIC ACTION BY TEMPERATURE SHOCK. (RUS)
V Dislers V Eizenbergs
Latv P Sr Zinat Akad Vestis (1):78-80
1968 511 R442
Gamma rays, Mutagens, Peas, Plant genetics, Shock, Temperature.

5791-69
THE SUGAR BEET. (GE)
H E Fischer W Feucht W Furste M Kraft P Winter
Neue Brehm-bucherei (387):96P REF
1968 409 N392
Fertilizers, Insect pests, Plant breeding, Plant diseases, Plant taxonomy, Planting, Sugar beets, Weed control.

5792-69
PESTICIDAL USE OF BENZOTHIOPHENES AND BENZOTHIENOTHIOPHENES. PATENT 3,433,874.
E J Geering
Us Patent Office Offic Gaz 860(3):910
18 Mar 1969 156.65 OF2
Bacteria, Benzothienothiophenes, Benzothiophenes, Chemical control (pests), Fungi, Insect pests, Nematodes, Pesticides.

5793-69
SORGHUM - SPECIALIST ADVICE.
R N Graham
1967 MEETING:57-59
Jul 1967 S573.R45
Insect pests, Mechanization, Plant diseases, Plant protection, Rainfall, Seed planting, Sorghum. In Rhodesia National Farmers' Union. Diversification guide from The RNFU Crops Conference.

5794-69
THE DEVELOPING ASCOSPORE WALL OF HYPOXYLON FRAGIFORME.
G N Greenhalgh L V Evans
Roy Microscop Soc J 88(4):545-556 REF
1968 440.9 R81J
Fungi, Hypoxylon fragiforme, Mycology, Spore germination.

5795-69
ENCYCLOPEDIA OF PHYTO-SANITARY TREATMENTS OF GRAPES IN CHAMPAGNE. (FR)
P Guillaume
Assoc. Des Mait. Agr. (Marne), Epernay, France 28P
1967 SB608.G7G8
Bacterial diseases (plants), Fungus diseases (plants), Grape vineyards, Grapes, Insect pests, Pesticides, Plant pest control, Reference materials.

5796-69
CORN WITH BUILT-IN INSURANCE.
A Hallauer
Crops Soils 21(5):16-17
Feb 1969 6 W55
Corn, Crop varieties, Crop yields, Quality control.

5797-69
BREEDING AND MANAGEMENT OF FORAGE CROPS IN THE EASTERN PLAINS.
A A Hanson
Amer Forage Grassland Council 3:7-14
12 Jul 1967 60.19 J66
Alfalfa, Botany, Forage plants, Fungus diseases (plants), Insect control, Plant breeding, Plant protection, Weed control.

5798-69
COMPARATIVE BEHAVIOR OF THE OOSPORES AND OOGONIA OF PHYTOPHTHORA CITRICOLA DURING GERMINATION ON AN ARTIFICIAL MEDIUM.
A W Henry D Stelfox
Can J Bot 46(11):1419-1421
Nov 1968 470 C16C
Culture media, Lighting, Phytophthora citricola, Reproduction, Research, Seed germination, Temperature.

5799-69
SPLASH DISPERSAL OF FUNGUS SPORES AND FUNGICIDES IN THE LABORATORY AND GREENHOUSE.

E C Hislop
Ann Appl Biol 63(1):71-80 REF
Feb 1969 442.8 AN72
Botrytis fabae, Conidia, Fungi dissemination, Fungicides, Rainfall.

5800-69
THE CLEARING OF UNDERBRUSH AND THE DESTRUCTION OF UNDESIREABLE VEGETATION IN THE FOREST. INVENTORY OF MATERIALS AND TECHNIQUES. (FR)
M Homberg
Centre Tech Bois Cah (SER 2)(78):75P REF
May 1968 99.82 C33
Equipment, Forest cutting systems, Forest management, Forests, Methodology, Roots, Tools, Tree control.

5801-69
THE USE OF MICROBIOLOGICAL PREPARATIONS IN PLANT PROTECTION BASED ON ENTOMOPATHOLOGICAL BACTERIA BACILLUS THURINGIENSIS. (SE)
M Injac
Agrohemija (3/4):131-134
1968 385 AG87
Bacillus thuringiensis, Biological control (insects), Hyphantria cunea, Plant protection.

5802-69
1969 FRUIT SPRAYING RECOMMENDATIONS FOR COMMERCIAL GROWERS.
B F Janson H Y Forsythe R L Miller B M Jones
Ohio State Univ Ext Bull 506:52P
1969 275.29 OH32
Chemical control (insects), Chemical control (plant diseases), Fruit, Insect pests, Insecticides, Plant diseases, Plant protection, Spraying. Many insecticides were recommended.

5803-69
NURSERY STOCK, PLANTS, AND SEEDS. FOREIGN NURSERIES CERTIFIED AS PRODUCING SPECIFIED DISEASE-FREE MATERIAL.
F A Johnston
Fed Regist 34(101):8194-8195
27 May 1969 L1.451
Fruit nurseries, Malus, Pears, Plant protection, Plant quarantine, Prunus.

5804-69
1969 FRUIT SPRAYING CALENDAR, FOR COMMERCIAL FRUIT GROWERS.
A L Jones A J Howitt A E Mitchell G R Hooper
Mich State Univ Ext Ext Bull (154):46P
1969 275.29 M58B
Chemical control (insects), Chemical control (plant diseases), Fruit culture, Fungicides, Insecticides, Mice, Nematodes, Pesticide application, Rodent control, Soil fumigation, Spraying. Many insecticides and fungicides are listed. Also many different types of fruits are discussed.

5805-69
SOIL SCIENCE AND AGRICULTURAL CHEMISTRY.
J S Kanwar D R Bhumbla
Rev Agr Res Punjab 1(PT 1):1-103 REF
1965 S280.P8K3
Agricultural chemistry, Fertilizers, Irrigation, Micronutrients, Plant diseases, Reviews, Soil science, Soil structure, Soil surveys.

5806-69
REPORT ON EXPERIMENTS WITH VARIETIES OF MEDIUM EARLY TO LATE POTATOES FOR HUMAN CONSUMPTION AND INDUSTRIAL USE 1964-1966 (SERIES 46). (FR)
E R Keller
Agr Romande (SER A)7(6):75-79
Jun 1968 17 AG8
Crop varieties, Fungus diseases (plants), Human nutrition, Plant physiological diseases, Potatoes, Starches, Testing. Translation and condensation from Mitteilungen fur die Schweizerische Landwirtschaft 15(11):185-202, 1967.

Translated by J. Munster.

5807-69
COTTON AS A SUPPLEMENT TO TOBACCO.
J W Kirkpatrick
1967 MEETING:21-22
Jul 1967 S573.R45
Cotton, Equipment, Harvesting, Herbicides, Insect control, Tobacco, Weed control. In Rhodesia National Farmers' Union. Diversification guide from the RNFU Crops Conference.

5808-69
PEST CONTROL AS AN OCCUPATION, FORMERLY AND NOW. II. (GE)
H Kliewe W Hoos
Prakt Schadlingsbekampfer 20(9):121-124
Sep 1968 421 P882
Hygiene, Pest control, Pesticides, Plant protection.

5809-69
CONVERSION OF DDT TO DDD IN SOIL AND THE EFFECT OF THESE COMPOUNDS ON SOIL MICROORGANISMS.
W H Ko J L Lockwood
Can J Microbiol 14(10):1069-1073 REF
Oct 1968 448.8 C162
Agar, Alfalfa, Bacteria, Chemical reactions, DDT, Insecticide residues, Nutrient solutions (plants), Soil microorganisms, TDE.

5810-69
VIRUS ENHANCEMENT WITH A GROWTH PRODUCT OF STREPTOMYCES SCABIES. I. PRODUCTION AND PROPERTIES OF SCABEN.
J Konowalchuk
Can J Microbiol 14(10):1079-1083 REF
Oct 1968 448.8 C162
Cytology, Extracts, Fungi, Plant physiology, Research, Streptomyces scabies, Time, Tissue culture, Viruses.

5811-69
VIRUS ENHANCEMENT WITH A GROWTH PRODUCT OF STREPTOMYCES SCABIES. II. INCREASED RELEASE OF COXSACKIEVIRUS B5 FROM HEP-2 MONOLAYERS TREATED WITH SCABEN.
J Konowalchuk J I Speirs
Can J Microbiol 14(10):1111-1114
Oct 1968 448.8 C162
Agar, Coxsackie viruses, Extracts, Fungi, Plant physiology, Research, Streptomyces scabies, Tissue culture, Viruses.

5812-69
PLANT PROTECTORS.
W H Kosesan
Oreg Agrirec (239):11-12
Sep 1968 2 OR3
Insect pests, Insect traps, Inspection (agricultural products), Plant diseases, Plant protection, Plant quarantine, Surveys.

5813-69
A CONTRIBUTION TO THE KNOWLEDGE OF HETEROSIS IN POTATO. (RUS)
L I Kostina
Genetika 4(8):182-184
1968 QH431.A1G4
Growth factors, Heterosis, Plant breeding, Plant ecology, Plant genetics, Plant physiology, Potatoes. English summary

5814-69
DISEASES AND PESTS OF COCONUT IN KERALA.
S B Lal
Indian Farming 18(2):11-15
May 1968 22 IN283
Bud-rot, Coconuts, Curculionidae, Fungus diseases (plants), Insect pests, Leaf spot, Nephantis serinopa, Plant diseases, Plant protection, Scarabaeidae, Stem bleeding, Wilt, Xyloryctes jamaicensis.

5815-69
EFFECTS OF INSECTICIDES ON INSECTS AND PATHOGENIC FUNGI ASSOCIATED WITH ALSIKE CLOVER ROOTS.
C M Leach E A Dickason A E Gross
J Econ Entomol 54(3):543-546, 12 REFS.
Jun 1961 421 J822
Aldrin, Alsike clover, DDT, Fusarium, Heptachlor, Phoma, Vericillium.

5816-69
PRELIMINARY INVESTIGATIONS ON THE PHENOMENON OF PHOTOLUMINESCENSE OF SEEDS OF SOYBEAN. (POL)
A Litynski T Drogoszewska
Warsaw Inst Hodowli Aklimatyzacji Roslin Byul 81(6):53-56
1967 64.9 W26
Absorption, Crop varieties, Luminescence, Seeds, Soybeans, Ultraviolet rays. English summary.

5817-69
MAN INSECTS AND PESTICIDES.
J V Loeblin
Nations Agr 44(2):18-21
Feb 1969 280.82 B89
Chemical control (pests), Crops, Fruit, Insect pests, Peanuts, Pesticides, Plant diseases, Vegetables.

The proper pesticide to use and the correct method and the exact amount to get maximum results are discussed.

5818-69
THIRD CONTRIBUTION TO THE KNOWLEDGE OF KERATINOLYTIC AND KERATINOPHILIC SOIL FUNGI IN THE REGION OF SZCZECIN.
I Majchrowicz T Dominik
Ekol Pol Ser A (SER A)16(4):121-145 REF
1968 512 W263
Bog soils, Keratins, Microorganisms, Podzol soils, Soil fungi. Polish summary. 62 species of soil fungi were isolated.

5819-69
SCIENCE AND SENSE. AS PRESENTED TO THE WEED SOCIETY OF AMERICA, FEBRUARY 8, 1966.
L A McLean
12P
Feb 1966 SB959.M3
Agricultural industries, Agricultural legislation, Chemical control (pests), Chlorinated hydrocarbons, DDT, Environment, Pesticide residues, Pesticides.

5820-69
PESTICIDE APPLICATION FOR FRUIT TREES AT THE OF WINTER AND IN THE SPRING. (IT)
T Melloni
Agr Ferrarese 71(1):3-13
31 Jan 1967 16 AG87
Apples, Chemical control (insects), Chemical control (plant diseases), Fruit culture, Fungus diseases (plants), Insect pests, Peaches, Pears, Pesticide application.

Article includes timetables showing which fungicide or insecticide to use at the proper time for the protection of apple- and peartrees.

5821-69
PRODUCTION OF MAIZE IN TOBACCO AREAS.
E M Micklem
1967 MEETING:8-10
Jul 1967 S573.R45
Agricultural economics, Corn, Plant pest control, Seed planting, Tillage, Tobacco. In Rhodesia National Farmers' Union. Diversification guide from the RNFU Crops Conference.

5822-69
ULTRA LOW VOLUME SPRAYING OF COTTON.
A W D Millar
Rhodesian Farmer 39(2):15-16
24 May 1968 24 R347
Aerial spraying, Chemical control (pests), Cotton, Insecticide application, Malathion, Oils, Phytotoxicity.

5823-69
NOTES ON PESTICIDES AND WEEDICIDES.
T D Mukerjea
Tocklai Exp Sta Newslett 13(3):112-114
Sep 1966 68.18 T93
Acaricides, Chemical control (pests), Herbicides, Insecticides, Lumber preservatives, Regulations, Scarabaeidae. A continuation from 13(1), March, 1966.

A list of pesticides which have been withdrawn and a revised list of approved pesticides is given.

5824-69
AVENA MAGNA: AN IMPORTANT NEW TETRAPLOID SPECIES OF OATS.
H C Murphy K Sadanaga F J Zillinsky E E Terrell R T Smith
Science 159(3810):103-104
05 Jan 1969 470 SCI2
Crop varieties, Oats, Plant morphology, Polyploidy.

5825-69
HORTICULTURE.
J P Nauriyal K L Chadha K S Nandpuri
Rev Agr Res Punjab 2(PT 3):1-38 REF
1965 S280.P8K3
Fruit, Horticulture, Research, Reviews, Vegetables.

5826-69
RANGE RECOVERY AND PRODUCTION AS INFLUENCED BY NITROGEN AND 2,4-D TREATMENTS.
J T Nichols W F McMurphy
J Range Manage 22(2):116-119 REF
Mar 1969 60.18 J82
D, 2,4-, Fertilizers, Forage plants, Grasses, Nitrogen, Phenoxy acid compounds, Ranges.

5827-69
THE PRESENT STATUS OF RICE PEST RESEARCH AND CONTROL. A LITERATURE REVIEW. (GE)
B Ohnesorge
Berlin Biol Bundesanst Land-forstwirtsch Mitt (129):71P REF
Aug 1968 410.9 G31M
Biological control (pests), Bird pests, Chemical control (pests), Crop losses, Cultural control (plant diseases), Insect ecology, Insect pests, Insect taxonomy, Plant nematodes, Plant pest control, Reviews, Rice, Rodents, Snails.

5828-69
BREEDING POTATOES FOR RESISTANCE TO WART AND GOLDEN NEMATODE.
O A Olsen
Canada Agr 14(1,WINTER):12-13
1969 7 R31
Crop varieties, Fungus diseases (plants), Heterodera rostochiensis, Plant breeding, Plant nematodes, Plant pest resistance, Potatoes, Synchytrium endobioticum.

5829-69
RESPONSE OF PINES IRRADIATED WITH LETHAL AND SUBLETHAL DOSES OF GAMMA-RADIATION.
J P OKukewick S E Herrick
Nature 214(5087):514-515
29 Apr 1967 472 N21
Dosage, Gamma rays, Irradiation, Lethal factor, Mortality, Pinus strobus, Pinus thunbergi, Plant physiology.

5830-69
SOYA BEANS - PRACTICAL ASPECTS.
J Pickering D Blyth
1967 MEETING:51-53
Jul 1967 S573.R45
Agricultural economics, Harvesting, Pest control, Seed planting, Seed treatment, Soybeans, Weed control. In Rhodesia National Farmers' Union. Diversification guide from RNFU Crops Conference.

5831-69
HERBICIDE ACTION ON FUSARIUM GRAMINEARUM SCHW. (RUM)
V Popescu
Cluj Univ Babes Bolyai Stud Ser Biol 13(1):63-67 REF
1968 442.9 C62
Atrazine, Chemical control (pests), D, 2,4-, Gibberella zeae, Herbicides, Phenoxy acid compounds, Simazine. French and Russian summaries.

5832-69
GROWING VEGETABLES IN SOUTH DAKOTA.
P Prasher D M Martin
S Dak State Univ Ext Ext Circ (668):20P
1968 275.29 SO85
Chemical control (insects), Chemical control (weeds), Fungicides, Fungus diseases (plants), Herbicides, Insect pests, Insecticides, Mulches, Plant disease control, Plant physiology, Storage, Vegetables, Weeds.

5833-69
GUIDELINES FOR PRODUCTION OF VEGETABLES FOR PROCESSING IN ARKANSAS.
C Price
Ark Agr Exp Sta Spec Rep (16):38P
Nov 1968 100 AR42SP
Insect pests, Plant diseases, Production economics, Productivity, Vegetables. Includes estimated crop losses from diseases and insects, and estimated pesticide costs.

5834-69
A BIOCHEMICAL MECHANISM OF NATURAL RESISTANCE OF APPLE TO VENTURIA INAEQUALIS.
J Raa A K Sijpesteijn
Neth J Plant Pathol 74(6):229-231
1968 464.8 T44
Apples, Fungus diseases (plants), Genetics, Plant biochemistry, Plant disease resistance, Scab, Venturia inaequalis. Dutch summary.

5835-69
ECDYSONES AND ANALOGS: EFFECTS ON DEVELOPMENT AND REPRODUCTION OF INSECTS.
W E Robbins J N Kaplanis M J Thompson T J Shortino C F Cohen
Science 161(3846):1158-1160
13 Sep 1968 470 SCI2
Biological control (insects), Chemosterilants, Insect diets, Insect physiology, Plant protective devices, Steroids.

5836-69
EFFECTS OF A GE, BURIAL, AND REGION ON GERMINATION AND VIABILITY OF HALOGETON SEED.
W C Robocker M C Williams R A Evans P J Torell
Weed Sci 17(1):63-65
Jan 1969 79.8 W41
Halogeton glomeratus, Longevity, Plant physiology, Planting, Seed germination.

5837-69
THE WEED VEGETATION OF FLOWER BEDS AND IRRIGATED CULTIVATIONS IN CAIRO AND SOME ADJACENT PROVINCES.
A Saarisalo
5(3):166-168 REF
1968
Broadbeans, Flowers, Food plants, Gladiolus, Oxalis violacea, Peas, Plant geography, Strawberries, Trigonella, Vegetation, Weeds.

5838-69
SOME PROBLEMS OF PLANT-PARASITE RELATIONSHIP.
A Savulescu V Esanu
Rev Roumaine Biol Ser Bot 11(5):381-392 REF
1966 QK1.R4
Biosynthesis, Host indexing (plants), Immunity, Microorganisms, Parasitism, Plant pest resistance, Plant physiology, Plant protective devices.

5839-69
VEGETATIVE REPRODUCTION IN WESTERN IRONWEED.
C J Scifres M K McCarty
Weed Sci 17(1):104-108 REF
Jan 1969 79.8 W41
Plant anatomy, Plant histology, Plant physiology, Plant reproduction, Plant translocation, Vernonia, Weeds.

5840-69
GRANNY SMITH VERSUS JONATHAN.
W J Sell
Victorian Hort Dig 13(1,FEB/APR):22-25
1969 80 V662
Aphididae, Apples, Bitter pit, Controlled atmosphere storage, Crop varieties, Eriosoma lanigerum, Plant diseases, Scald.

5841-69
PESTS AND DISEASES OF ARECANUT.
S N Seshadri T S S Rawther
Indian Farming 18(4):24-26
Jul 1968 22 IN283
Areca catheeu, Fungicides, Fungus diseases (plants), Insect pests, Insecticides, Mites, Plant diseases, Plant protection.

5842-69
PEST AND DISEASE CON TROL ASPECT OF CHANGING CROPPING PATTERNS.
S Singh
Pesticides 1(5):28-32
Jan 1968 SB951.P43
Crop varieties, Harvesting date, Plant disease control, Plant pest control, Pl anting date.

5843-69
NATURAL DURABILITY OF SOME WOODS USED IN HAWAII; PRELIMINARY FINDINGS.
R G Skolmen
USDA Forest Serv Res Note PSW- (167):7P
1968 A99.9 F7652
Environment, Plant disease resistance, Plant pest resistance, Termites, Wood durability. Fourteen species of wood are discussed.

5844-69
PLANT PROTECTION. BULLETIN OF THE PLANT PROTECTION STATION OF GENEVA. JANUARY. (FR)
Rev Horticole Suisse 41(1):26-27
Jan 1968 80 R3212
Chemical control (insects), Fruit culture, Fungicides, Fungus diseases (plants), Hibernation, Horticulture, Insect pests, Ornamental plant s.

5845-69
REPORT ON FOREST RESEARCH FOR THE YEAR ENDED MARCH 1968.
J R Taom
Great Brit Forest Comm Rep Forest Res 193P MAP REF
1968 99.9 G795RE
Chemical control (weeds), Environment, Forest insects, Forest management, Forest nurseries, Forestry, Nutrition, Photography, Reports, Silviculture, Statistics, Tree diseases.

5846-69
QUANTITATIVE GENETIC ESTIMATES FOR BROWN SPOT RESISTANCE IN CORN.
D L Thompson
Crop Sci 9(2,MAR-APR):246-247
1969 64.8 C883
Brown spot, Corn, Fungus diseases (plants), Plant breeding, Plant disease resistance, Plant genetics, Population statistics.

5847-69
PROJECTS AND PROBLEMS OF PLANT PROTECTION IN DEVELOPING COUNTRIES. (GE)
W Tornow
Gesunde Pflanzen 20(8):164-173 (CONT.) REF
Aug 1968 464.8 G33
Developing areas, Plant protection.

5848-69
EFFECT OF THE LOW TEMPERATURE TREATMENT OF THE WET CULTURE ASPERGILLUS ORYZAE 8F1 AND GERMINATED SEED ON THE INCREASE OF THE FERMENTATION ACTIVITY. (RUS)
A I Veselov E V Koltsova
Priklad Biokhim Mikrobiol Akad Nauk SSSR 3(4,JUL/AUG):422-426
1967 385 P93
Aspergillus oryzae, Fermentation, Growth factors, Plant biochemistry, Seed germination, Temperature. English summary.

5849-69
PLANT PROTECTION IS ALSO HEALTH PROTECTION. (GER)
K Warmbrunn
Prakt Schadlingsbekampfer 20(9):124-125
Sep 1968 421 P882
Accident prevention, Chemical control (pests), Dosage, Pesticides, Plant protection, Public health, Regulations.

5850-69
FIGS FOR COMMERCIAL AND HOME ORCHARDS IN LOUISIANA.
B W Wascom E N O'Rourke W A Young
La State Univ Ext Ext Pub (1529):19P
Apr 1968 275.29 L93EP
Chemical control (insects), Crop varieties, Fertilizers, Figs, Fruit, Insect pests, Plant diseases, Plant propagation.

5851-69
KENAF PROMISING AS PROFIT CROP.
G A White
Amer Tung News 19(11):6-8
Nov 1968 307.8 AM33
Agricultural research, Anthracnose, Colletotrichum, Crop varieties, Fertilizers, Kenaf, Plant disease resistance, Planting, Profits. Article is continued next month.

5852-69
COMBINING ABILITIES AND RELATIVE DOMINANCE AMONG MAIZE INBREDS FOR RESISTANCE TO EARWORM INJURY.
N W Widstrom J J Hamm
Crop Sci 9(2,MAR-APR):216-219 REF
1969 64.8 C883
Corn, Heliothis zea, Insect pests, Plant breeding, Plant genetics, Plant injuries, Plant pest resistance.

5853-69
MANURES AND FERTILIZERS.
K S Yawalker J P Agarwal S Bokde
Agrihorticultural Publishing House, Nagpur, India 288P
1967 S633.5.14Y3
Dosage, Fertilizers, Manures, Micronutrients, Plant nutrition, Plant protection, Soil amendments.

DISEASES

5854-69
CONTROL OF SMUT ON SUGARCANE. REGULATION OF VARIETIES OF SUGARCANE WHICH CAN BE CULTIVATED IN THE STATE OF SAO PAULO. (POR)
Biologico 33(7):155
Jul 1967 442.8 B529
Crop varieties, Fungus diseases (plants), Plant breeding, Plant disease resistance, Smut, Sugarcane, Ustilago scitaminea.

5855-69
HELMINTHOSPORIUM SOLANI.
Commonwealth Mycol Inst Cmi Desc Path Fungi Bact 17(161-170):166
1968 462.7 C73
Fungus diseases (plants), Helminthosporium, Plant geography, Potatoes, Scurf, Seed-borne plant diseases. Description of a fungal pathogen of potatoes, its geographical distribution and etiology.

5856-69
CHANGES IN GROWTH AND METABOLISM OF EXCISED PEA ROOTS ASSOCIATED WITH IRON DEFICIENCY. I. CHANGES IN NUMBER OF CELLS, NITROGENOUS CONSTITUENTS AND RESPIRATION RATE.
A J Abbott
New Phyto Logist 67(4):947-961 REF
Oct 1968 450 N42
Culture media, Iron, Peas, Plant metabolism, Plant nutritional deficiencies, Plant physiology, Plant respiration, Roots.

5857-69
HOT-WATER TREATMENT OF SEED AS A METHOD FOR DECREASING THE INCIDENCE OF CERTAIN COTTON AND FLAX SEEDLING DISEASES.
M A Abd-el-Rehim S H Michail H Elarosi E A Khairy
Ann Appl Biol 63(1):95-102 REF
Feb 1969 442.8 AN72
Cotton, Flax, Fungus diseases (plants), Fusarium oxysporum lini, Fusarium oxysporum vasinfectum, Plant physiology, Rhizoctonia solani, Seed treatment, Thermotherapy.

5858-69
THE PRESENT STATUS OF VIRUS DISEASES OF RICE IN CEYLON.
D V W Abeygunawardena
Baltimore, John Hopkins Press. 53-57
1969 NB633.C2
Cicadellidae, Insect vectors, Plant disease resistance, Rice, Stunt, Virus diseases (plants), Yellow dwarf.

5859-69
GROWING CAMELLIAS.
U S D A Home Gard Bull (86):12P
Mar 1969 1 AG84HG
Aleyrodidae, Camellia, Coleoptera, Dieback, Insect pests, Mites, Pantomorus godmani, Plant diseases, Plant injuries, Planting, Pseudococcidae, Scales (insects).

5860-69
THE GERMINATION OF CONIDIA AND THE APPRESSORIUN FORMATION OF ALTERNARIA PORRI ON THE SURFACE OF ONION LEAVES. (JA)
S Akai N Ishida M Fukutomi
Kyoto Univ Forsch Geb Pflanzenkrankh 7(6):67-70 REF
1967 464.9 K98
Alternaria porri, Conidia, Fungus diseases (plants), Helminthosporium oryzae, Onions, Seed germination, Waxes. English summary.

5861-69
AN X-RAY DIFFRACTION STUDY OF A TOBACCO MOSIAC VIRUS MUTANT. (FR)
G Albiser F Colonna-Cesari P Horn G Lebeurier L Hirth
Acad Sci Compt Rend Ser D Sci Nat 266(11, 1ST SEMESTER):1179-1181
11 Mar 1968 505 P21
Mosaic, Tobacco, Virus diseases (plants), Virus mutation, X-ray diffraction.

5862-69
OCCURENCE AND HOST RANGE OF ASCOCHYTA PHASEOLORUM IN QUEENSLAND.
J L Alcorn
Australian J Biol Sci 21(6):1143-1151
Dec 1968 442.8 AU72
Ascochyta, Epidemiology, Fungus diseases (plants), Host indexing (plants), Kidney beans, Plant injuries.

5863-69
AN AERIAL VIEW OF TAKE-ALL.
Anonymous
Farmer Stockbreeder 83(4133):41,43
25 Feb 1969 10 F228
Aerial photography, Cultural control (plant diseases), Drainage, Grain, Take-all.

5864-69
ARSENAL FOR DISEASE CONTROL.
Anonymous
Amer Veg Grower 17(1):20,34
Jan 1969 80 C733
Chemical control (plant diseases), Early blight, Fungicides, Fungus diseases (plants), Late blight, Pesticide application, Potatoes, Rhizoctonia, Soil-borne plant diseases, Spraying, Wilt. Many fungicides were evaluated.

5865-69
BLACK SPOTS OF APPLES: A WARNING SERVICE FOR FRUIT GROWERS.
Anonymous
J Agr 66(9):354
Sep 1968 23 V66J
Apples, Black spot, Fungus diseases (plants), Plant disease control, Spraying, Venturia inaequalis.

5866-69
ANTHRACNOSE RESISTANCE IN ANTHURIUM.
M Aragaki H Kamemoto K M Maeda
Hawaii Agr Exp Sta Tech Progr Rep (169):10P
Dec 1968 100 H313P
Anthracnose, Anthurium, Fungus diseases (plants), Plant disease resistance, Tables (data).

5867-69
PHYSIOLOGICAL STUDIES ON PHOMA BETAE FRANK AND RHIZOCTONIA SOLANI(PRILL AND DELACR.) BOURD AND GALZ WHICH CAUSE DAMPING-OFF AND ROOT DISEASES OF SUGAR BEET IN EGYPT.
W A Ashour A R Sirry F A M Fadl
An Agr Sci 10(1):213-244 REF
Jun 1965 24 AN72
Crop losses, Damping-off, Fungus diseases (plants), Phoma betae, Plant physiology, Rhizoctonia solani, Roots, Sphaerioidaceae, Sugar beets. Arabic summary.

5868-69
A MODIFIED SOIL PERCOLATOR FOR ZOOSPORE PRODUCTION AND INFECTION IN STUDIES ON ZOOSPORIC ROOT PATHOGENS.
R G Atkinson
Can J Plant Sci 47(3):332-334
May 1967 450 C16
Equipment, Fungi, Phytophthora, Soil percolation, Spores.

5869-69
PHOMA DESTRUCTIVA, ITS VARIABILITY, HOST RANGE AND VARIETAL REACTION OF TOMATOES.
K S Aulakh S Malhotra R K Grover
Plant Dis Rep 53(3):219-222
Mar 1969 1.9 P69P
Fungus diseases (plants), Phoma, Plant disease resistance, Rot, Tomatoes.

5870-69
IT TAKES MORE THAN TENDER, LOVING CARE TO PREVENT BLACKSPOT.
D B Bakes
Spudman (WINTER):24-26,32
1969 75.8 SP93
Agricultural industries, Black spot, Insects, Plant diseases, Plant injuries, Plant nutrition, Plant physiology, Plant water relations, Potatoes, Storage, Temperature, Weather.

5871-69
ERYSIPHACEAE (MYCOPHYTA) IN THE NATURE PRESERVE OF CHEILE TURZII. (RUM)
M Bechet
Cluj Univ Babes Bolyai Stud Ser Biol 13(1):57-62 REF
1968 442.9 C62
Erysiphaceae, Fungus diseases (plants), Parasitism, Zoogeography. French and Russian summaries. 46 Erysiphaceae species are listed on 124 plant hosts.

5872-69
INFLUENCE OF SOIL TEMPERATURE ON THE DEVELOPMENT OF PEA ROOT ROT.
W G Benedict
Can J Bot 47(4):567-574 REF
Apr 1969 470 C16C
Fungus diseases (plants), Peas, Root rot, Soil temperature.

5873-69
SPREAD OF FOMES ANNOSUS ROOT ROT IN THINNED SHORTLEADF PINE PLANTATIONS.
F H Berry
U S Forest Serv Res Note NE- (87):4P
1968 A99.9 F7622U
Fomes annosus, Fungus diseases (plants), Plant disease transmission, Root rot.

5874-69
SHIFTING OF VIRUS Y FROM STEMS TO TUBERS IN DEPENDENCE ON THE PLANT AGE. (POL)
M Birecki W Bartoszuk
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 26:57-70
1967 64.9 IN7
Plant disease resistance, Plant senescence, Plant tissues, Plant translocation, Potatoes, Virology, Virus diseases (plants), Virus Y. English and Russian summaries.

5875-69
RESULTS OF TESTS OF WHEAT VARIETIES AS TO THEIR RESISTANCE AGAINST GRAIN DISEASES, CARRIED OUT IN THE RECLAIMED LAND OF THE NORTH EAST BETWEEN 1961 AND 1964. (GE)
H Bockmann
Stichting Ned Graan-cent Tech Ber 17:5-15
Dec 1967 59.9 ST52TB
Crop varieties, Crop yields, Fungus diseases (plants), Fusarium culmorum, Plant breeding, Plant disease resistance, Septoria nodorum, Wheat.

5876-69
RESULTS FROM THE INTERNATIONAL SEPTORIA ASSORTMENT IN 1966. (GE)
H Bockmann
Stichting Ned Graan-cent Tech Ber 17:29-33
Dec 1967 59.9 ST52TB
Crop varieties, Crop yields, Fungus diseases (plants), Septoria, Tables (data), Testing.

5877-69
METABOLIC ACTIVITY OF PEA ROOT RIBOSOMES UNDER CONDITIONS OF BORON DEFICIENCY.
G P Borshchenko E A Sherstnev
Soviet Plant Physiol 15(4,JUL/AUG):602-603
1968 450 F58AE
Boron, Carbon isotopes, Micronutrients, Peas, Plant nutritional deficiencies, Protein synthesis, Ribosomes, Roots, Tyrosine. Translated from Fiziologiya Rastenii, 15(4,Jul/Aug): 720-721, 1968. translated from the Russian.

5878-69
APPLE SCAB, PECAN SCAB, AND THE DURATION OF LEAF WETNESS.
P M A Bourke
Plant Dis Rep 53(3):240
Mar 1969 1.9 P69P
Apples, Fungus diseases (plants), Pecans, Scab, Temperature, Water.

5879-69
RESULTS OF INSECTICIDE AND FUNGICIDE TESTS, CARRIED OUT IN 1966, BY THE VEGETABLE PROTECTION SERVICE. (FR)
H Bouron
Phytoma 19(191,SEP-OCT):49-51
1967 464.8 P563
Botrytis cinerea, Chemical control (plant diseases), Fruit, Fungicides, Fungus diseases (plants), Grape vineyards, Insecticides, Vegetables.

5880-69
PHOSPHORUS, POTASSIUM, CALCIUM AND MAGNESIUM REQUIREMENTS OF MARYLAND TOBACCO GROWN ON MONMOUTH SOIL.
J D Bowling
Md Agr Exp Sta Bull (151):48P REF
Jul 1967 100 M36S
Calcium, Fertilizers, Magnesium, Micronutrients, Phosphorus, Plant biochemistry, Plant nutrition, Potassium, Soil properties, Tables (data), Tobacco.

5881-69
COLLECTED PAPERS ON CEREAL DISEASES. (SEPTORIA, FUSARIUM, YELLOW RUST). (DU)
S Broekhuizen
Stichting Ned Graan-cent Tech Ber 17:91P
Dec 1967 59.9 ST52TB
Conferences, Fungus diseases (plants), Fusarium, Grain, Reports, Septoria, Stripe rust.

5882-69
SNAPDRAGON RUST.
H C Burnett
Fla Dep Agr Div Plant Indus Tri-ology Tech Rep 7(5):15-16
May 1968 423.9 F6622
Antirrhinum majus, Fungus diseases (plants), Puccinia antirrhini, Rust, Symptomatology.

5883-69
FUNGICIDES AND TURF DISEASE CONTROL - 1964.
J D Butler M P Britton
Turfgrass Conf Proc 5:26-28
03 Dec 1964 SB433.I4
Agrostis, Brown patch, Chemical control (plant diseases), Dollar spot, Fungicides, Grasses, Helminthosporium, Leaf spot, Pythium ultimum, Rhizoctonia solani. The fungicides discussed were: Memmi, Thiram, Difolitan, Dithane M-45, Dyrene, DAC-2787, and Ortho.

5884-69
A NEW NEEDLE DISEASE OF HARD PINES IN OREGON AND CALIFORNIA.
H H Bynum D R Miller
Plant Dis Rep 53(3):232-234
Mar 1969 1.9 P69P
Fungus diseases (plants), Hypodermella, Pinus attenuata, Pinus ponderosa.

5885-69
THE OCCURRENCE OF COUPEA MOSAIC VIRUS IN THE STATE OF SAO PAULO. (POR)
J Caner K Silberschmidt E Flores
Biologico 35(1):13-16
Jan 1969 442.8 B529
Beans, Electron microscopy, Mosaic, Soybeans, Virus diseases (plants). English abstract.

5886-69
ANTHRACNOSE IN BEANS:DETERMINATION AND VARIATIONS IN THE MALONIC ACID CONTENT IN THE DIFFERENT PARTS OF HEALTHY AND PARASITIZED PLANTS. (FR)
G Cavalic
Acad Sci Compt Rend Ser D Sci Nat 265(22, 2ND SEMESTER) :1706-1708
27 Nov 1967 505 P21
Anthracnose, Colletotrichum lindemuthianum, Fungus diseases (plants), Histochemistry, Kidney beans, Malonic acid, Plant physiology.

5887-69
AN ANTIVIRAL PRINCIPLE FROM TOMATOES SYSTEMICALLY INFECTED WITH TOBACCO MOSAIC VIRUS.
K C Chadha B H MacNeill
Can J Bot 47(4):513-518 REF
Apr 1969 470 C16C
Mosaic, Plant extracts, Tomatoes, Virology, Virus diseases (plants).

5888-69
BIBLIOGRAPHY OF SOYBEAN DISEASES.
D W Chamberlain B R Lipscomb
Department Of Agriculture, Washington, D. C. 98P REF
Jul 1967 ASB205.S7C4
Bacterial diseases (plants), Bibliography, Fungus diseases (plants), Soybeans, Virus diseases (plants).

5889-69
SAPROPHYTIC SURVIVAL OF OPHIOBOLUS GRAMINIS ON VARIOUS HOSTS.
S C Chambers N T Flentje
Australian J Biol Sci 21(6):1153-1161 REF
Dec 1968 442.8 AU72
Barley, Fungus diseases (plants), Lolium rigidum, Ophiobolus graminis, Saprophytes, Straw, Wheat.

5890-69
MECHANISMS OF PATHOGENESIS IN SCLEROTIUM BATATICOLA ON SUNFLOWERS. I. PRODUCTION AND TRANSLOCATION OF A NECROSISINDUCING TOXIN.
Y-h Chan W E Sackston
Can J Bot 47(7):1147-1151 REF
Jul 1969 470 C16C
Fungus diseases (plants), Leaf spot, Necrosis, Pathogenesis, Plant diseases, Sclerotium bataticola, Sunflowers, Toxicology, Toxins, Translocation.

5891-69
CHANGES IN AMINO-ACID CONTENT OF AMARANTHUS TRICOLOR LEAVES INFECTED WITH ALTERNARIA SP..
D Chandramohan A Mahadevan G Rangaswami
Cur Sci 36(3):80-81
05 Feb 1967 475 SCI23
Alternaria, Amaranthus, Amino acids, Fungus diseases (plants), Plant biochemistry.

5892-69
DWARFMISTLETOE EFFECTS ON PONDEROSA PINE GROWTH AND TRUNK FORM.
T W Childs J W Edgren
Forest Sci 13(2):167-174
Jun 1967 99.8 F7632
Arceuthobium, Pinus ponderosa, Tree diseases.

5893-69
ELYTRODERMA DISEASE OF PONDEROSA PINE (PINUS PONDEROSA) IN THE PACIFIC NORTHWEST.
T W Childs
US Forest Serv Res Pap PNW (69):45P
1968 A99.9 F7625UNI
Fungus diseases (plants), Needle blight, Pinus ponderosa, Plant injuries.

5894-69
THE EFFECT OF VIRAL INFECTION ON THE TOTAL CHOLINE CONTENT IN POTATO AND BLACK CURRANT LEAVES. (LA)
E Cielens G Muceniece
Latv P Sr Zinat Akad Vestis (7):73-79 REF
1968 511 R442
Choline, Crop varieties, Currants, Plant nutrition, Potatoes, Virus diseases (plants). English summary.

5895-69
HOSTS AND GEOGRAPHIC DISTRIBUTION OF SCIRRHIA PINI--THE CAUSE OF RED BAND NEEDLE BLIGHT IN CALIFORNIA.
F W Cobb D R Miller
J Forest 66(12):930-933 MAP REF
Dec 1968 99.8 F768
Fungus diseases (plants), Pinus, Red band (pinus), Zoogeography.

5896-69
A STUDY OF FACTORS INFLUENCING THE GENETICS OF REACTION OF BARLEY TO ROOT ROT CAUSED BY HELMINTHOSPORIUM SATIVUM.
E Cohen S B Helgason W C McDonald
Can J Bot 47(3):429-443 REF
Mar 1969 470 C16C
Barley, Crop varieties, Fungus diseases (plants), Helminthosporium sativum, Plant disease resistance, Plant genetics, Root rot.

5897-69
CONTROLLING INSECTS AND DISEASES ON TREES.
M E Coon
Amer Nurseryman J 129(8):40-43
15 Apr 1969 80 AM371
Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Insect control, Insect pests, Spraying, Temperature, Trees.

5898-69
ABSORPTION OF BORON BY BARTLETT PEARS.
P C Crandall C G Woodbridge
Pacific Northwest Fert Conf Proc 19:117-118
16 Jul 1968 57.9 P11
Absorption, Boron, Chemical control (plant diseases), Pears, Plant nutritional deficiencies.

5899-69
FUNGISTATIC AND FUNGICIDAL EFFECTS OF CERTAIN ORGANIC PRODUCTS ON SOME FUNGI CAUSING DISEASES IN VEGETABLES. (RUM)
A Crisan E Singeorzan
Cluj Univ Babes Bolyai Stud Ser Biol 13(1):11-15
1968 442.9 C62
Alternaria capsici-annui, Botrytis allii, Captan, Chemical control (plant diseases), Chlorinated hydrocarbons, Ferbam, Folpet, Fungicides, Fungus diseases (plants), Helminthosporium, Legumes, Maneb, Thiocarbamates, Vegetables, Verticillium, Zinc propylenebis(dithiocarbamate), Zineb. French and russian summaries. the following fungicides were tested: anatracol, captan, falthan, polyram combi, carbadin, maneb and ferbam.

5900-69
CONTRIBUTION TO THE KNOWLEDGE OF THE MYCOFLORA OF THE APUS MOUNTAINS. (RUM)
A Crisan
Cluj Univ Babes Bolyai Stud Ser Biol 13(1):7-10 REF
1968 442.9 C62
Deuteromycetes, Fungus diseases (plants), Mycoflora, Phycomycetes. French and russian summaries. 34 species are listed of which 20 are new for Rumania.

5901-69
THE OCCURRENCE OF WILT IN WATERMELON IN THE STATE OF SAO PAULO. (POR)
B P B Cruz A P da Silveira J P da S Filho
Biologico 33(1):5-8 REF
Jan 1967 442.8 B529
Fungus diseases (plants), Fusarium, Plant disease resistance, Watermelons, Wilt.

5902-69
NEW DEVELOPMENTS IN THE TREATMENT OF BANANAS BEFORE PACKING. (FR)
J Cuille L Bur-Ravault
Fruits 23(7,JUL-AUG):351-356,397
1968 80 F9492
Bananas, Chemical control (plant diseases), Fungus diseases (plants), Gloeosporium musarum, Thiazolyl)-benzimidizole, 2-(4-. English summary.

5903-69
PECTIC AND CELLULOLYTIC ENZYMES PRODUCED BY MYCOSPHAERELLA CITRULLINA AND THEIR RELATION TO BLACK ROT OF SQUASH.
T Curren
Can J Bot 47(5):791-794 REF
May 1969 470 C16C
Black rot, Enzymes, Fungus cultures, Fungus diseases (plants), Mycosphaerella citrullina, Squash.

5904-69
BOTRAN USED AS AN ORCHARD SPRAY VS. BOTRAN IN THE HYDROCOOLER AND CONTROL OF POST-HARVEST DECAY OF PEACHES.
R H Daines
N J State Hort Soc Hort News 48(4):3-5
Jul 1967 81 N46
Captan, Chemical control (plant diseases), Dichloro-4-nitroaniline, 2,6-, Fungus diseases (plants), Orchards, Peaches, Rhizopus, Rot, Spraying, Water.

5905-69
DISEASES OF THE SEED POTATO; HOW TO RECOGNIZE THEM BEFORE PLANTING.
H Davies
Farmers Weekly 70(6):70
07 Feb 1969 10 F2226
Cultural control (plant diseases), Fungus diseases (plants), Plant protection, Potatoes, Seeds, Virus diseases (plants).

The diseases mentioned were dry rot, gangrene, black leg, tuber blight, pink rot, watery wound rot, skin spot, black scurf, scab, powdery scab, leaf roll and rougose mosaic.

5906-69
POSSIBILITIES FOR INTER- AND INTRACELLULAR TRANSLOCATION OF SOME ICOSAHEDRAL PLANT VIRUSES.
G A De Zoeten G G aard
J Cell Biol 40(3):814-823 REF
Mar 1969 442.8 J828
Beans, Mosaic, Plant physiology, Tomatoes, Virology, Virus diseases (plants).

5907-69
IDENTIFICATION OF SOYBEAN MOSAIC VIRUS IN VENEZUELA. (SP)
E A Debrot C C E Benitez de Rojas
Agron Trop 17(2,APR-JUN):75-86 REF
1967 26 AG87
Crop varieties, Disease transmission, Mosaic, Myzus persicae, Soybeans, Virology, Virus diseases (plants). English summary.

5908-69
MOBILIZATION FACTORS IN UREDOSPORES AND BEAN LEAVES INFECTED WITH BEAN RUST FUNGUS.
H M Dekhuijzen R C Staples
Boyce Thompson Inst Contrib 24(3,APR-JUN):39-51 REF
Jun 1968 451 B69
Beans, Biological assay, Fungus diseases (plants), Plant biochemistry, Rust (beans), Spores, Uromyces.

5909-69
EFFECT OF 6-AZAURACIL AGAINST APPLE POWDERY MILDEW AND APPLE SCAB.
J Dekker G S Roosje
Neth J Plant Pathol 74(6):219-226
1968 464.8 T44
Apples, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Podosphaera leucotricha, Powdery mildew, Scab, Triazine-3,5(2H,4H)-dione, 6-as-, Venturia inaequalis.

5910-69
THE OCCURRENCE OF SOME PREVIOUSLY UNREPORTED DISEASES OF POTATOES IN MEXICO.
S Delgado-Sanchez L Fucikovsky M Cadena-Hinojosa
Plant Dis Rep 53(3):189-190
Mar 1969 1.9 P69P
Chemical control (plant diseases), Chlorinated hydrocarbons, Fungicides, Fungus diseases (plants), Pentachloronitrobenzene, Phytophthora infestans, Plant geography, Potatoes, Rhizoctonia solani.

5911-69
POTATO EARLY BLIGHT AND STORAGE ROT.
West Aust J Agr (SER 4)10(1):20-21
Jan 1969 23 W52J
Alternaria solani, Chemical control (plant diseases), Early blight, Fungus diseases (plants), Maneb, Maneb (zinc ion), Potatoes, Rot, Spraying, Storage diseases, Symptomatology, Zineb.

5912-69
BACTERIAL BLIGHT DISEASE OF CYNODON DACTYLON PERS..
S G Desai M K Patel A B Gandhi W V Kotasthane
Cur Sci 36(8):213-214
20 Apr 1967 475 SC123
Bacterial diseases (plants), Bacteriology, Cynodon dactylon, Xanthomonas.

5913-69
SEPARATION OF TOP AND BOTTOM COMPONENTS OF ALFALFA MOSAIC VIRUS BY COMBINED DIFFERENTIAL AND DENSITY GRADIENT CENTRIFUGATION.
P R Desjardins R L Steere
Arch Gesamte Virusforsch 26(1-2):127-137 REF
Feb 1969 448.3 AR23
Alfalfa, Centrifugation, Mosaic.

5914-69
EFFECT OF 6-AZAURACIL ON INFECTION WITH TOBACCO MOSAIC VIRUS.
J Dijkstra J J S van Rensen
Neth J Plant Pathol 74(6):193-201
1968 464.8 T44
Chemical control (plant diseases), Mosaic, Tobacco, Triazine-3,5(2H,4H)-dione, 6-as-, Virology, Virus diseases (plants). Dutch summary.

5915-69
CHEMICALS FOR CONTROL OF CABBAGE CLUBROOT - PLASMODIOPHORA BRASSICAE WOR. IV. EFFECT ON THE PATHOGEN. (BU)
S Dimitrov
Horticult Viticult Sci 5(2):51-58 REF
1968 87 G75
Alkalies, Cabbage, Calcium, Chemical control (plant diseases), Chemicals, Clubroot, Fungicides, Fungus diseases (plants), Microorganisms, Plasmodiophora brassicae, Potassium. English and Russian summaries.

5916-69
COPPER DEFICIENCY IN CITRUS.
S F Du Plessis
Farming S Afr 44(8):67-68
Nov 1968 24 SO842
Citrus, Copper, Deficiency diseases, Plant biochemistry, Plant nutrition, Plant physiology.

5917-69
INTERACTIONS OF OOSPORA PUSTULANS, RHIZOCTONIA SOLANI AND HETERODERA ROSTOCHIENSIS ON THE POTATO.
E Dunn W A Hughes
Europe Potato J 10(4):327-328
Dec 1967 75.8 EU7
Fungus diseases (plants), Heterodera rostochiensis, Oospora pustulans, Plant nematodes, Plant physiology, Potatoes, Rhizoctonia solani, Soil microorganisms.

5918-69
THE RESPIRATORY PATHWAYS OF TOBACCO LEAVES INFECTED WITH POTATO VIRUS X.
M M Dwurazna M Weintraub
Can J Bot 47(5):731-736 REF
May 1969 470 C16C
Plant extracts, Plant respiration, Tobacco, Virus diseases (plants), Virus X.

5919-69
RESPIRATION OF TOBACCO LEAVES INFECTED WITH DIFFERENT STRAINS OF POTATO VIRUS X.
M M Dwurazna M Weintraub
Can J Bot 47(5):723-730 REF
May 1969 470 C16C
Plant respiration, Tobacco, Virus diseases (plants), Virus X.

5920-69
BORAX AND CONTROL OF STUMP INFECTION BY FOMES ANNOSUS IN WESTERN HEMLOCK.
R L Edmonds
P lant Dis Rep 53(3):216-219 MAP
Mar 1969 1.9 P69P

Borax, Boron compounds, Fomes annosus, Fungus diseases (plants), Stumps, Tsuga heterophylla.

5921-69
TRANSMISSION AND TRANSLOCATION OF RED CLOVER VEIN MOSAIC VIRUS IN CLOVER.
S M El-Kandelgy R D Wilcoxson
Plant Dis Rep 53(3):200-203 REF
Mar 1969 1.9 P69P
Alsike clover, Clover, Gomphrena globosa, Mosaic, Plant disease transmission, Plant translocation, Red clover, Seedlings, Sweetclover, Virus diseases (plants).

5922-69
EFFECT OF RED CLOVER VEIN MOSAIC VIRUS ON DRY WEIGHT OF TISSUES OF GOMPHRENA GLOBOSA.
S M El-Kandelgy R D Wilcoxson
Plant Dis Rep 53(3):198-199
Mar 1969 1.9 P69P
Clover, Gomphrena globosa, Mosaic, Plant physiology, Virus diseases (plants).

5923-69
RELATION OF BEET YELLOWS VIRUS TO THE PHLOEM AND TO MOVEMENT IN THE SIEVE TUBE.
K Esau J Cronshaw L L Hoefert
J Cell Biol 32(1):71-87 REF
Jan 1967 442.8 J828
Beets, Phloem, Plant morphology, Plant physiology, Virus diseases (plants), Yellows.

5924-69
FACTORS AFFECTING INFECTION OF BALSAM FIR (ABIES BALSAMEA) BY STEREUM SANGUINOLENTUM IN QUEBEC.
D E Etheridge
Can J Bot 47(3):457-479 REF
Mar 1969 470 C16C
Abies balsamea, Fungus diseases (plants), Humidity, Stereum sanguinolentum, Tables (data), Temperature. French summary.

5925-69
BREEDING FOR SEPTORIA AND FUSARIUM RESISTANCE IN WHEAT. (DU)
W Feekes T Wieten
Stichting Ned Graan-cent Tech Ber 17:43-67
Dec 1967 59.9 ST52TB
Crop varieties, Crop yields, Fungus diseases (plants), Fusarium, Plant breeding, Plant disease resistance, Septoria, Tables (data), Wheat.

5926-69
ITALIAN BEET CULTURE. THE DISEASES: FUNGI AND VIRUSES. (IT)
F Ferri
Agricoltura 17(6):58-71
Jun 1968 16 AG8226
Beets, Fungus diseases (plants), Insect vectors, Micronutrients, Plant disease control, Plant nutritional deficiencies, Virus diseases (plants). English and French summaries.

5927-69
STUDIES ON THE APPLICATION OF THE CASTELLANI METHOD OF PRESERVING PLANT PATHOGENIC FUNGI. (POR)
M B Figueiredo
Biologico 33(1):9-13
Jan 1967 442.8 B529
Culture media, Fungus diseases (plants). English abstract.

5928-69
RESISTANCE OF GENES ISOLATED FROM AVENA STERILIS TO ISOLATES OF OAT CROWN RUST PREVALENT IN CANADA IN 1968.
G Fleischmann
Can J Bot 47(4):623
Apr 1969 470 C16C
Avena sterilis, Crown rust, Genes, Oats, Plant disease resistance, Plant genetics.

5929-69
BIOSYNTHESIS OF FURANOCOUMARINS IN DISEASED CELERY.
H G Floss H Guenther L A Hadwiger
Phytochemistry 8(3):585-588
Mar 1969 450 P5622
Celery, Formates, Fungus diseases (plants), Methionine, Plant biochemistry, Sclerotinia sclerotiorum.

5930-69
PURIFICATION OF POTATO VIRUS X AND PREPARATION OF INFECTIOUS RIBONUCLEIC ACID BY DEGRADATION WITH LITHIUM CHLORIDE.
R I B Francki G D McLean
Australian J Biol Sci 21(6):1311-1318 REF
Dec 1968 442.8 AU72
Degradation, Lithium chloride, Methodology, Potatoes, Purification procedures, Ribonucleic acid, Virus diseases (plants), Virus X.

5931-69
VERTICILLIUM WILT OF GROUNDNUT IN ISRAEL: SCREENING FOR VARIETAL RESISTANCE.
Z R Frank J Krikun
Israel J Agr Res 18(2):83-85
Apr 1968 107 J552
Fungus diseases (plants), Peanuts, Plant breeding, Plant disease resistance, Verticillium dahliae, Wilt.

5932-69
MYCOLOGICAL INVESTIGATIONS ON FIELD RETTING OF FIBER FLAX, SPECIES AND DISTRIBUTION.
P S Frederiksen
Fibra 13(2):9-22
Aug 1968 73.8 F44
Fiber plants, Flax, Fungus diseases (plants), Geography, Mycology, Research. French summary.

Abstract: 98 Percent of mycological flora is Cladosporium herbarum, Penicillium, Aspergillus, Pullularia pulluans, Rhodotorula, and Cryptococcus.

5933-69
A NEW RACE OF SPHACELOTHECA REILIANA IN SOUTH TEXAS.
R A Frederiksen D T Rosenow L Reyes L K Edmunds
Plant Dis Rep 53(3):171-172
Mar 1969 1.9 P69P
Plant disease resistance, Soils, Sorghum, Sphacelotheca reiliana.

5934-69
THE POSSIBILITY OF ESTIMATING LOOSE SMUT IN A SEED LOT OF BARLEY WITH REGARD TO THE INCREASE FROM ONE GENERATION TO THE NEXT. (SW)
T Fritz
Sweden Statens Cent Frokontrollanst M eddel (43):42-44
1968 61.9 SW3
Barley, Fungus diseases (plants), Laboratories, Loose smut, Methodology, Seeds, Statistical methods, Testing. English summary.

5935-69
THE OCCURRENCE AND OBSERVATION OF PUCCINIA STRIIFORMIS IN THE STATE OF WASHINGTON. (GE)
E Fuchs
Stichting Ned Graan-cent Tech Ber 17:85-91
Dec 1967 59.9 ST52TB
Biology, Epidemiology, Fungus diseases (plants), Plant breeding, Plant disease resistance, Puccinia striiformis, Stripe rust, Wheat.

5936-69
POTEBNIAMYCES (PHACIDIELLA) DISEASE OF THE TRUE FIRS IN BRITISH COLUMBIA.
A Funk
Can J Bot 47(5):751-753
May 1969 470 C16C
Abies amabilis, Abies grandis, Abies lasiocarpa, Fungus diseases (plants), Potebniamyces.

5937-69
POOR STANDS OF CORN AND REDUCTION OF ROOT GROWTH CAUSED BY FUSARIUM MONILIFORME.
M C Futrell M Kilgore
Plant Dis Rep 53(3):213-215
Mar 1969 1.9 P69P
Corn, Fungus diseases (plants), Fusarium moniliforme, Plant diseases, Plant physiology, Roots, Seedlings.

5938-69
HOJA BLANCA DISEASE OF RICE.
G E Galvez E
Baltimore, John Hopkins Press. 35-49 REF
1969 NB633.C2
Cicadellidae, Hoja blanca, Plant disease resistance, Rice, Virus diseases (plants).

5939-69
IDENTIFICATION OF RACES OF PIRICULARIA ORYZAE IN COLOMBIA.
G E Galvez-E J C Lozano-T
Phytopathology 58(3):294-296 REF
Mar 1968 464.8 P56
Fungus diseases (plants), Piricularia oryzae, Plant taxonomy, Rice. Spanish summary.

5940-69
TRANSMISSION OF HOJA BLANCA VIRUS OF RICE.
G E Galveze
Baltimore, John Hopkins Press. 155-163 REF
1969 NB633.C2
Cicadellidae, Hoja blanca, Plant disease transmission, Rice, Soils, Virus diseases (plants).

5941-69
THE ACTION OF CALCIUM CYANAMIDE ON THE DEVELOPMENT OF SOME BASIDIOMYCETES OF WOOD. (IT)
P Gambogi
Agr Ital (N s)23(1,JAN-FEB):35-38
1968 16 AG8259
Armillaria mellea, Basidiomycetes, Calcium cyanamide, Chemical control (plant diseases), Fomes annosus, Fungicides, Fungus diseases (plants), Plant physiology, Wood. English summary.

5942-69
STUDIES ON THE ATTACK BEHAVIOR OF THE SOUTHERN PINE BEETLE. I.THE SPREADING AND COLLAPSE OF OUTBREAKS.
R I Gara
Boyce Thompson Inst Contrib 23(10,APR-JUN):349-354
Jun 1967 451 B69
Demography, Dendroctonus frontalis, Insect behavior, Insect outbreaks, Phermones.

5943-69
ARE SICK PLANTS DANGEROUS. (FR)
R Geoffrion
Phytoma 20(195):35-40
Feb 1968 464.8 P563
Antibiotics, Aspergillus flavus, Aspergillus oryzae, Beauveria, Grain, Human diseases, Micronutrients, Muscardine, Mycosis, Plant diseases, Rhagoletis cerasi.

5944-69
DOGWOOD DISEASES.
Ga Univ Ext Leafl (36):3P
Mar 1969 275.29 G29L
Accident prevention, Anthracnose, Blight, Captan, Chlorinated hydrocarbons, Cornus, Folpet, Fungicides, Fungus diseases (plants), Leafspot, Maneb, Thiocarbamates.

5945-69
ISOLATION AND PURIFICATION OF MYCOPLASM-TYPE MICROORGANISMS AFTER THE GRAPES ATTAIN A YELLOWISH GILD. (FR)
J Giannotti A Caudwell C Vago J L Duthoit
Acad Sci Compt Rend Ser D Sci Nat 268(5, 1ST SEMESTER):845-847 REF
03 Feb 1969 505 P21

Bacterial diseases (plants), Grapes, Microorganisms.

5946-69
EPIDEMIOLOGY OF COTTON LEAFCURL VIRUS IN THE SUDAN.
O H Giha M A Nour
Empire Cotton Growing Rev 46(2):105-118 REF
Apr 1969 72.8 EM7
Aleyrodidae, Cotton, Insect vectors, Leaf curl, Plant disease transmission, Virus diseases (plants).

5947-69
BUTT ROT IN YELLOW-POPLAR SEEDLING-SPROUT STANDS.
J H Ginns R P True
Forest Sci 13(4):440-447 REF
Dec 1967 99.8 F7632
Armillaria mellea, Butt rot, Fungus diseases (plants), Fusarium, Liriodendron tulipifera, Margarinomyces, Trichoderma.

5948-69
STUDIES ON STEREUM SANGUINOLENTUM IN KENYA PINE PLANTATIONS.
H D Griffin
Can J Bot 47(5):761-771 REF
May 1969 470 C16C
Fungus diseases (plants), Microorganisms, Pinus patula, Stereum sanguinolentum.

5949-69
A D SEROTYPE OF SATELLITE VIRUS SPECIFICALLY ASSOCIATED WITH A D SEROTYPE OF TOBACCO NECROSIS VIRUS.
R G Grogan J K Uyemoto
Nature 213(5077):705-707
18 Feb 1967 472 N21
Methodology, Necrosis, Tobacco, Virology, Virus diseases (plants).

5950-69
PRELIMINARY CONSIDERATIONS ON THE STUDY OF RESISTANCE OF FRUIT TREES TO SILVER-LEAF DISEASE. (FR)
C Grosclaude
Rev Zool Agr Appl 67(7-9, 3RD TRIMESTER):73-81 REF
1968 410.9 SO12
Fruit trees, Fungus diseases (plants), Plant disease resistance, Silver leaf, Stereum purpureum. English abstract.

5951-69
CHEMICAL CONTROL OF BEAN BACTERIAL DISEASES IN WISCONSIN.
D J Hagedorn E K Wade G Weis
Plant Dis Rep 53(3):178-181
Mar 1969 1.9 P69P
Bacterial diseases (plants), Bactericides, Beans, Brown spot, Chemical control (plant diseases), Copper, Halo blight, Plant diseases, Pseudomonas phaseolicola, Pseudomonas syringae, Spraying.

5952-69
GROWTH OF THE RUST FUNGUS CRONARTIUM RIBICOLA IN TISSUE CULTURES OF PINUS MONTICOLA.
A E Harvey J L Grasham.
Can J Bot 47(5):663-666 REF
May 1969 470 C16C
Cronartium ribicola, Fungus diseases (plants), Mycelium, Pinus monticola.

5953-69
THE INHERITANCE OF RESISTANCE TO POWDERY MILDEW IN THE CANTALOUPE VARIETY SEMINOLE.
R R Harwood D Markarian
J Hered 59(2,MAR-APR):126-130
Apr 1968 442.8 AM3
Cantaloupes, Crop varieties, Erysiphe cichoracearum, Fungus diseases (plants), Genes, Plant disease resistance, Plant genetics, Powdery mildew.

5954-69
STUDIES ON THE CONTROL OF THE ANTHRACNOSE OF ACACIA DEALBATA CAUSED BY GLOMERELLA CINGULATA STONEM. (JA)
H Hashimoto
Fukuoka-Ken Forest Exp Sta Bull (20):1-29 REF
Mar 1968 99.9 F95
Acacia, Anthracnose, Bordeaux mixture, Chemical control (plant diseases), Dithane, Fungus diseases (plants), Glomerella cingulata, Seed treatment. English summary.

5955-69
PONDEROSA PINE DWARF MISTLETOE IN RELATION TO TOPOGRAPHY AND SOILS ON THE MANITOU EXPERIMENTAL FOREST, COLORADO.
F G Hawksworth
Pacific Southwest Forest Range Exp Sta Res Note PSW- (107):4P
1968 A99.9 F7632US
Arceuthobium, Parasitism, Pinus ponderosa, Soil series, Topography.

5956-69
FACTORS INFLUENCING DISEASE DEVELOPMENT OF PUTTING GREEN TURF.
M J Healy
Turfgrass Conf Proc 6:33-39
1965 SB433.I4
Fungus diseases (plants), Glutamine, Helminthosporium sorokinianum, Humidity, Leaf spot, Plant extracts, Turf.

5957-69
A SYSTEMIC FUNGICIDE EFFECTIVE AGAINST SOUR ORANGE SCAB DISEASE.
C J Hearn J F L Childs
Plant Dis Rep 53(3):203-205
Mar 1969 1.9 P69P
Benomyl, Citrus, Ferbam, Fungicides, Fungus diseases (plants), Mandarin oranges, Scab, Sphaceloma fawcetti.

5958-69
WHEAT AND STEM RUST - SPECIALIST ADVICE.
G W Herd
1967 MEETING:26-27
Jul 1967 S573.R45
Fungus diseases (plants), Plant protection, Rust (wheat), Stem rust (wheat), Weather, Wheat. In Rhodesia National Farmers' Union. Diversification guide from the RNFU Crops Conference.

5959-69
HOME FRUIT SPRAY GUIDE.
L B Hertz J A Lofgren H G Johnson
Minn Univ Ext M- (184):8P
1969 275.29 M66P
Accident prevention, Chemical control (pests), Fire blight, Fruit, Fungicides, Grubs, Insecticides, Maggots, Spraying.

5960-69
PROGRESS THROUGH RESEARCH- BLUE MOULD OF TOBACCO.
A V Hill
Aust Tob Growers Bull (13):2-5
1968 69.8 AU72
Chemical control (plant diseases), Crop varieties, Downy mildew, Fungicides, Fungus diseases (plants), Leaves, Plant breeding, Plant disease resistance, Research, Seed-borne plant diseases, Spraying, Tobacco.

5961-69
RELATIONSHIPS OF THE CLOVER ROOT CURCULIO, FUSARIUM WILT, AND BACTERIAL WILT IN ALFALFA.
R R Hill R C Newton K E Zeiders J H Elgin
Crop Sci 9(3,MAY-JUN):327-329
May 1969 64.8 C883
Alfalfa, Bacterial diseases (plants), Bacterial wilt, Corynebacterium insidiosum, Fusarium, Root rot, Sitona hispidula.

5962-69
STUDIES WITH TWO SYSTEMIC FUNGICIDES, BENLATE AND THIABENDAZOLE.
R B Hine D L Johnson C J Wenger M Simbwa-Bunnya
Arizona Agricultural Experiment Station, Tucson. SER.P-15:64-68
Feb 1969 S544.3.A6A7
Butylcarbamoyl)-2-benzimidazole N-methylcarbamate, 1-(, Carbamates, Cotton, Fungus diseases (plants), Penicillium expansum, Phymatotrichum omnivorum, Systemic fungicides, Thiazolyl)-benzimidizole, 2-(4-, Verticillium albo-atrum, Wilt.

5963-69
MILK-VETCH DWARF VIRUS. (JA)
T Hino T Inouye N Inouye K Mitsuhata
Nogaku Kenkyu 52(1):1-9
Mar 1968 22.5 N684
Astragalus, Dwarf disease, Virus diseases (plants).

5964-69
FUNGICIDES FOR ARABICA COFFEE. VIII--PRELIMINARY RELATIONSHIPS AMONG SOME NEW FUNGICIDES, LEAF RUST (HEMILEIA VASTATRIX) AND LEAF FALL.
D Hocking
Trop Sci 44(1):83-87
Jan 1967 26 T756
Coffee, Fungicides, Fungus diseases (plants), Hemileia vastatrix, Leaf fall, Leaf rust.

5965-69
THE STRIPE SMUT PROBLEM IN MERION BLUEGRASS.
C Hodges M P Britton
Turfgrass Conf Proc 8:1-3 REF
07 Dec 1967 SB433.I4
Cultural control (plant diseases), Fungus diseases (plants), Poa, Rhizomes, Seed-borne plant diseases, Stripe smut, Symptomatology.

5966-69
PRELIMINARY OBSERVATIONS PLACED IN EVIDENCE THAT PHAGES OF AGROBACTERIUM TUMEFACIENS ARE RESPONSIBLE FOR CROWN-GALL. (FR)
D Hoursiangou-Neubrun S Puiseux-Dao
Acad Sci Compt Rend Ser D Sci Nat 268(11, 1ST SEMESTER):1493-1494
17 Mar 1969 505 P21
Agrobacterium tumefaciens, Bacterial diseases (plants), Bacteriophages, Crown galls, Datura stramonium, Plant cytology, Plant disease transmission.

5967-69
FIELD BIOLOGY AND CONTROL OF PHYTOPHTHORA PARASITICA ON PAPAYA (CARICA PAPAYA) IN HAWAII.
J E Hunter I W Buddenhagen
Ann Appl Biol 63(1):53-60
Feb 1969 442.8 AN72
Captan, Chemical control (plant diseases), Chlorinated hydrocarbons, Copper sulfate, Drosophila, Fungus diseases (plants), Insect vectors, Maneb, Papayas, Phytophthora parasitica, Tetrachloroethylthio)-4-cyclohexene-1,2-dicarboximide, t.

5968-69
DWARF, YELLOW DWARF, STRIPE, AND BLACK-STREAKED DWARF DISEASES OF RICE.
T T Iida
Baltimore, John Hopkins Press. 3-11 REF
1969 NB633.C2
Black-streaked dwarf, Cicadellidae, Dwarf disease, Laodelphax striatellus, Nephotettix, Rice, Stripe, Yellow dwarf.

5969-69
THE EXPRESSION OF R-GENE RESISTANCE TO PHYTOPHTHORA INFESTANS IN TISSUE CULTURES OF SOLANUM TUBEROSUM.
D S Ingram
J Gen Microbiol 49(1):99-108
Oct 1967 448.3 J823

Fungus diseases (plants), Phytophthora infestans, Plant disease resistance, Plant genetics, Potatoes, Tissue culture.

5970-69
SOME EXPERIMENTS ON THE TRANSMISSION OF CYMBIDIUM MOSAIC VIRUS AND ODONTOGLOSSUM RINGSPOT VIRUS. (JA)
N Inouye
Nogaku Kenkyu 52(2):89-97 REF
Jun 1968 22.5 N684
Cymbidium, Infectious diseases, Mosaic, Odontoglossum, Research, Ring spot, Virus diseases (plants).

5971-69
STUDIES ON HOST RANGE OF PVY - GROUP VIRUSES IN LEGUMINOUS PLANTS IN JAPAN, AND THE IDENTIFICATION OF THEM BY THE SELECTED DIFFERENTIAL TEST PLANTS. (JA)
T Inouye
Nogaku Kenkyu 52(1):11-29 REF
Mar 1968 22.5 N684
Chenopodium amaranticolor, Host indexing (plants), Leguminosae, Research, Virus diseases (plants).

5972-69
STUDIES ON THE VIRUSES OF PLANTS IN COMPOSITAE IN JAPAN. I. TOMATO ASPERMY VIRUS FROM CHRYSANTHEMUM. (JA)
T Inouye M Asatani K Mitsuhata
Nogaku Kenkyu 52(2):55-62 REF
Jun 1968 22.5 N684
Aspermy, Chrysanthemum, Compositae, Tomatoes, Virus diseases (plants).

5973-69
THE VIRUS DISEASES OF THE RICE PLANT. PROCEEDINGS OF A SYMPOSIUM AT THE INTERNATIONAL RICE RESEARCH INSTITUTE, APRIL, 1967.
Baltimore, John Hopkins Press. 354P.
1969 NBS633.C2
Rice, Symposia, Virus diseases (plants).

5974-69
PEANUT POD INVASION BY FUNGI IN THE PRESENCE OF LESION NEMATODES IN GEORGIA.
C R Jackson N A Minton
Oliagineux 23(819,AUG-SEP):531-534
1968 77.8 OL2
Aspergillus flavus, Dibromo-3-chloropropane, 1,2-, Fungi, Fungus diseases (plants), Meloidogyne arenaria, Nematocides, Peanuts, Plant nematodes, Plant physiology, Pratylenchus brachyurus.

5975-69
TESTING SLASH PINE FOR RUST RESISTANCE.
F F Jewell S L Mallett
Forest Sci 13(4):413-418
Dec 1967 99.8 F7632
Cronartium, Plant disease resistance, Rust.

5976-69
STRAINS OF THE FUNGUS THIELAVIOPSIS BASICOLA (BERK. ET BR.) FERR. ISOLATED FROM THE ROOTS OF BLUE LUPIN (LUPINUS ANGUSTIFOLIUS L.). (POL)
Z Jeziorska Z Miezynska
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 28:109-116
1967 64.9 IN7
Black root rot, Blue lupine, Fungus diseases (plants), Plant breeding, Plant disease resistance, Roots, Thielaviopsis basicola, Tobacco. English and Russian summaries.

5977-69
ALFALFA DISEASES.
H Johnson
Miss Agr Exp Sta Bull (767):12P
Nov 1968 100 M69
Alfalfa, Bacterial diseases (plants), Fungus diseases (plants), Plant disease control, Plant disease resistance, Virus diseases (plants).

5978-69
TROPICAL CROP LOSSES WITH SPECIAL REFERENCE TO RICE.
A Johnston
Commonwealth Phytopathol News (PT 5):4P
Sep 1968 464.8 C73
Crop losses, Fungus diseases (plants), Plant disease resistance, Rice, Virus diseases (plants).

5979-69
THE BEHAVIOR OF POTATO MOP-TOP VIRUS IN SOIL, AND EVIDENCE FOR ITS TRANSMISSION BY SPONGOSPORA SUBTERRANEA (WALLR.) LAGERH.
R A C Jones B D Harrison
Ann Appl Biol 63(1):1-17 REF
Feb 1969 442.8 AN72
Mop top, Plant disease transmission, Potatoes, Soilborne plant diseases, Spongospora subterranea, Virology, Virus diseases (plants).

5980-69
CONTROLLING DISEASES OF DWARF WHEATS.
L M Joshi A S Prabhu S Singh
Indian Farming 17(5):46-47
Aug 1967 22 IN283
Chemical control (plant diseases), Crop varieties, Fungicides, Fungus diseases (plants), Plant disease resistance, Seed treatment, Wheat, Zineb.

Seed treatments with zineb and the planting of more resistant varieties are the most effective means of controlling wheat fungus diseases.

5981-69
A NOTE ON DRECHSLERA ROT OF TOMATO.
I J Kapoor R N Tandon
Cur Sci 38(5):120-121
05 Mar 1969 475 SC123
Fungus diseases (plants), Helminthosporium, Plant disease transmission, Rot, Tomatoes.

5982-69
THE POWDERY MILDEWS ON THE ORNAMENTAL PLANTS. (ES)
H Karis V Rumberg
191P MAP REF TALLINN, USSR, EESTI NSV TEADUSTE AKAD.
1966 SB733.K3
Crop varieties, Erysiphaceae, Fungus diseases (plants), Ornamental plants, Plant disease resistance, Powdery mildew, Spores. English and Russian summaries.

5983-69
INJURED CELLS REQUIRED FOR THE INITIATION OF PLANT VIRUS INFECTIONS.
W C Kimmins M D Casselman
Can J Bot 47(3):499-500
Mar 1969 470 C16C
Kidney beans, Necrosis, Plant injuries, Plant protection, Plant tissues, Tobacco.

5984-69
STUDIES ON THE VARIETAL CHARACTERS OF ITALIAN RYEGRASS. III. VARIETAL DIFFERENCE IN DEGREE OF INFECTION BY CROWN RUST. (JA)
T Kinoshita T Nakashima Y Yokohata
Jap Soc Grassland Sci J 14(4):271-274
Dec 1968 60.9 J27
Crop varieties, Crown rust, Fungus diseases (plants), Lolium multiflorum, Plant disease resistance, Puccinia coronata.

5985-69
AUXIN DESTRUCTION BY MARASMIUS PERNICIOSUS.
V Krupasagar L Sequeira
Amer J Bot 56(4):390-397 REF
Apr 1969 450 AM36
Cacao, Fungus diseases (plants), Marasmius perniciosus, Plant biochemistry, Plant hormones, Plant regulators.

5986-69
FIELD EVALUATION OF A DERIVATIVE OF 1,4-OXATHIIN FOR CONTROL OF CEREAL SMUTS.
J Kuiper
Australian J Exp Agr Anim Husb 8(35):756-761
Dec 1968 23 AU792
Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Grain, Loose smut, Oxathiins, 1,4-, Ustilago nuda, Ustilago tritici.

5987-69
EXPERIMENTS ON THE CONTROL OF CEREAL SMUTS WITH A DERIVATIVE OF 1,4-OXATHIIN.
J Kuiper
Australian J Exp Agr Anim Husb 8(31):232-237 REF
Apr 1968 23 AU792
Barley, Chemical control (plant diseases), Covered smut, Flag smut, Fungicides, Fungus diseases (plants), Loose smut, Oats, Oxathiin, 1,4-, Smuts, Soil fumigation, Stinking smut, Ustilaginales, Wheat.

5988-69
CROWN GALL: EFFECT OF TEMPERATURE ON TUMORIGENESIS IN PEA SEEDLINGS.
A Kurrdjian P Manigault R Beardsley
Can J Bot 47(5):803-808 REF
May 1969 470 C16C
Crown galls, Inhibitors, Peas, Seedlings, Temperature.

5989-69
A NEW LEAF SPOT DISEASE OF MUSSAENDA FRONDOSA LINN..
B Lal R N Tandon
Cur Sci 36(1):23
05 Jan 1967 475 SC123
Fungus diseases (plants), Glomerella cingulata, Leaf spot, Rubiaceae.

5990-69
VARIETAL RESISTANCE TO HOJA BLANCA.
H A Lamey
Baltimore, John Hopkins Press. 293-311 REF
1969 NB633.C2
Greenhouse culture, Hoja blanca, Plant disease resistance, Plant disease transmission, Rice, Sitophilus oryzae, Virus diseases (plants).

5991-69
PRELIMINARY STUDIES ON MYCORRHIZA IN ADONIS VERNALIS. (POL)
J Lanowska
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 24:325-334
1967 64.9 IN7
Adonis vernalis, Fungus diseases (plants), Mycorrhiza, Roots, Symbiosis. English and Russian summaries.

5992-69
RICE STRIPE DISEASE IN KOREA.
S C Lee
Baltimore, John Hopkins Press. 67-73 REF
1969 NB633.C2
Laodelphax striatellus, Plant disease transmission, Rice, Stripe, Virus diseases (plants).

5993-69
STUDY OF THE SYNTHESIS OF LYSOPINE BY TISSUE EXTRACTS OF CROWN-GALL IN VITRO. (FR)
B Lejeune
Acad Sci Compt Rend Ser D Sci Nat 265(22, 2ND SEMESTER):1753-1755
27 Nov 1967 505 P21
Biosynthesis, Crown galls, Histopathology, Lysine, Tissue extracts.

5994-69
A STUDY OF THE SYNTHESIS OF LYSOPINE FROM LYSINE BY CROWN-GALL TISSUES. (FR)
B Lejeune M F Jubier
Acad Sci Compt Rend Ser D Sci Nat 266(11 , 1ST SEMESTER):1189-1191

11 Mar 1968 505 P21
Crown gall tumors, Lysine, Plant biochemistry, Radioactive tracers, Synthesis, Tobacco, Vitacea.

5995-69
NOTES ON THE APPEARANCE IN FRANCE OF OPHIOBOLUS GRAMINIS, AVENAE VARIETY. (FR)
J M Lemaire
Paris Acad Agr France Compt Rend Hebd Seances 53(6):480-484
1967 14 P215BC
Fungus diseases (plants), Ophiobolus graminis, Take-all, Wheat.

5996-69
CHEMICAL CONTROL OF HARMFUL INSECTS. (FR)
J Lhoste
Paris Acad Agr France Compt Rend Hebd Seances 53(7):514-515
1967 14 P215BC
Chemical control (insects), Insect pests, Insecticides, Plant pest control.

5997-69
TESTING RICE VARIETIES FOR RESISTANCE TO TUNGRO DISEASE.
K C Ling
Baltimore, John Hopkins Press. 277-291 REF
1969 NB633.C2
Nephotettix impicticeps, Plant disease resistance, Rice, Tungro, Virus diseases (plants).

5998-69
TRANSMISSION OF RICE VIRUSES IN SOUTHEAST ASIA.
K C Ling
Baltimore, John Hopkins Press. 139-153 REF
1969 NB633.C2
Cicadellidae, Mosaic, Plant disease transmission, Rice, Stunt, Virus diseases (plants).

5999-69
A NEW DISEASE OF BANANAS IN THE CAUCA VALLEY: A BACTERIOSIS. (SP)
C Llanos M
Agr Trop 23(12):806-812
Dec 1967 26 AG8
Aldrin, Bacterial diseases (plants), Bananas, Chemical control (pests), DDT, Formaldehyde, Insect vectors.

6000-69
TRENDS IN DISEASE.
R C F Macer
Agr Merchant 49(1):57,62-64
Jan 1969 10 AG89
Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Grain, Plant diseases, Rainfall, Weather.

6001-69
THE INDUCTION OF DODINE TOLERANCE IN FUSARIUM OXYSPORUM F. MELONIS: A TECHNIQUE APPLICABLE TO THE STUDY OF THE BIONOMICS OF SOIL-BORNE FUNGAL PATHOGENS.
B H MacNeill J V Sabanayagam
Can J Microbiol 14(11):1262-1263
Nov 1968 448.8 C162
Dodine, Fusarium oxysporum, Mutation, Soil fungi, Ultraviolet rays.

6002-69
FUNGICIDES FOR GLADIOLUS CORMS.
R O Magie
Florist Rev 143(3718):24,46-48
27 Feb 1969 80 W41
Botrytis gladiolorum, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Fusarium, Fusarium oxysporum, Gladiolus, Methodology, Pesticide application, Plant diseases.

6003-69
STUDIES ON AN ITALIAN ISOLATE OF THE TOBACCO NECROSIS VIRUS. (IT)
G Majorana H L Paul
Bari Univ Fac Agr Ann 21(PT 2):455-477 REF
1967 105.4 B232
Chenopodium, Electron microscopy, Necrosis, Tobacco, Virology, Virus diseases (plants). English summary.

6004-69
CROSS INTERACTION BETWEEN DIFFERENT COMPONENTS OF TWO STRAINS OF ALFALFA MOSAIC VIRUS. (IT)
G Majorana
Bari Univ Fac Agr Ann 21(PT 2):439-444 REF
1967 105.4 B232
Alfalfa, Fractionation, Magnesium chloride, Mosaic, Symptomatology, Virology, Virus diseases (plants). English summary.

6005-69
THE CRINKLY MOSAIC OF SWEETVETCH (HEDYSARUM CORONARIUM L.). (IT)
G Majorana
Bari Univ Fac Agr Ann 21(PT 2):433-437
1967 105.4 B232
Mosaic, Plant disease transmission, Sulla sweetvetch, Virology, Virus diseases (plants). English summary.

6006-69
PEACH LEAF CURL.
O C Maloy
Wash State Univ Ext E M (3042):2P
Oct 1968 275.29 W27MI
Chemical control (plant diseases), Dodine, Fungicides, Fungus diseases (plants), Leaf curl, Peaches, Pesticide application, Spraying, Symptomatology, Taphrina deformans.

6007-69
PERENNIAL CANKER AND BULL'S EYE ROT OF APPLES.
O C Maloy R P Covey
Wash State Univ Ext E M (3045):2P
Nov 1968 275.29 W27MI
Apples, Canker, Crop losses, Crop varieties, Fungus diseases (plants), Plant disease resistance, Rot, Spraying, Symptomatology.

6008-69
FIELD AND GREENHOUSE STUDIES ON THE EFFECTS OF PLANT AMENDMENTS ON RHIZOCTONIA HYPOCOTYL ROT OF SNAPBEAN.
W J Manning D F Crossan
Plant Dis Rep 53(3):227-231 REF
Mar 1969 1.9 P69P
Beans, Corn, Fungus diseases (plants), Greenhouse culture, Rhizoctonia, Rot.

6009-69
DETERMINATION OF NUCLEOPOLYHEDRON COUNTS AND SIZE FREQUENCY DISTRIBUTIONS BY MEANS OF A COULTER TRANSDUCER.
M E Martignoni P J Iwai
Northwest Pacific Forest Range Exp Sta Us Forest Serv Res No (85):14P MAP REF
Aug 1968 A99.9 F7625U
Coulter counter, Dairy equipment, Insect diseases, Polyhedroses, Virus diseases (insects).

6010-69
INVESTIGATION OF MEANS FOR THE CHEMICAL CONTROL OF BASAL ROT (PHYTOPHTHORA CAPSICI LEON.) OF PEPPER. (IT)
A Matta
Agr Ital (N s)23(1,JAN-FEB):7-16
1968 16 AG8259
Basal rot, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Irrigation, Pesticide application, Phytophthora capsici, Redpeppers (vegetable), Spraying. English summary.

The following fungicides were tested: dexon, difolatan, omadine, copper sulphate, potassium permanganate, nabam, and terrazole.

6011-69
A MICROBIOLOGICAL CONTROL OF MELAMPSORA MEDUSAE.
R P McBride
Can J Bot 47(5):711-715 REF
May 1969 470 C16C
Bacteria, Culture media, Fungus diseases (plants), Melampsora medusae, Microbiology, Micronutrients, Pseudotsuga menziesii, Seedlings.

6012-69
SUITABILITY OF SEVERAL FUNGICIDES FOR TREATING SOIL INFESTED WITH PHYTOPHTHORA CACTORUM TO PREVENT CROWN ROT DISEASE OF APPLE TREES.
D L McIntosh
Plant Dis Rep 53(3):182-185
Mar 1969 1.9 P69P
Apples, Chemical control (plant diseases), Crown rot, Fungicides, Fungus diseases (plants), Phytophthora cactorum, Soils.

6013-69
CHROMOSOME LOCATION AND LINKAGE STUDIES INVOLVING THE PM3 LOCUS FOR POWDERY MILDEW RESISTANCE IN WHEAT.
R A McIntosh E P Baker
Linnean Soc New South Wales Proc 93(2,NO 417):232-238 REF
10 Mar 1969 514 SY2
Chromosomes, Fungus diseases (plants), Plant disease resistance, Plant genetics, Powdery mildew, Wheat.

6014-69
WATCH FOR SILVER LEAF.
J McPhail
Victorian Hort Dig 13(1,FEB/APR):13
1969 80 V662
Citrus, Disease transmission, Fungus diseases (plants), Silver leaf, Stereum purpureum.

6015-69
METHODS FOR PROTECTING MELONS FROM CUCUMBER MOSAIC VIRUS. THE BENEFIT OF COVERING THE SOIL WITH PLASTIC REFLECTING FILMS. (FR)
C M Messiaen J Marrou P Maison M Duteil
Paris Acad Agr France Compt Rend Hebd Seances 53(1):103-108
1967 14 P215BC
Cultural control (plant diseases), Melons, Mosaic, Plastics.

6016-69
CHANGES OF PLASTIDS WHICH ARISE UNDER THE INFLUENCE OF TURNIP YELLOW MOSAIC VIRUS. (GE)
D Milicic Z Stefanac
Phytopathol Z 59(3):285-296 REF
Jul 1967 464.8 P562
Plastids, Turnips, Virus diseases (plants), Yellow mosaic virus. English summary

6017-69
CONTROL OF VEGETABLE INSECTS AND DISEASES.
R L Miller R E Partyka J P Sleesman
Ohio State Univ Ext Bull 459:12P
Jan 1969 275.29 OH32
Aerial spraying, Chemical control (insects), Chemical control (plant diseases), Dairy equipment, Insect pests, Insecticides, Pesticide application, Plant diseases, Vegetables. Many insecticides were mentioned.

6018-69
CONTROL OF ARMILLARIA MELLEA WITH SYSTEMIC CHEMICALS.
Miller
Agr Chem 23(12):32-33
Dec 1968 381 AG8
Armillaria mellea, Chemical control (plant diseases), Culture media, Dollar spot, Fungus diseases (plants), Onions, Sclerotium cepivorum, Systemic fungicides, White rot. Many fungicides are discussed.

6019-69
RESULTS FROM A THREE-YEAR TEST WITH THE ANAEROBIC METHOD IN BARLEY SEED

DISINFECTION FROM USTILAGO NUDA (PERS.) KELL. ET SW. (BU)
N Mitov D Dobrev
Rastenievud Nauk 5(3):103-110
1968 64.8 R18
Barley, Fungus diseases (plants), Plant disease control, Seed treatment, Ustilago nuda. English and Russian summaries.

6020-69
STUDIES ON THE NATURAL ACCUMULATION OF LOOSE SMUT INFECTION ON WHEAT - USTILAGO TRITICI (PERS.) JENSEN. (BU)
N Mitov N Donchev M Markov L Yotov
Rastenievud Nauk 5(2):111-124 REF
1968 64.8 R18
Crop varieties, Fungus diseases (plants), Loose smut, Plant disease resistance, Plant ecology, Plant genetics, Temperature, Ustilago tritici, Wheat. English and Russian summaries.

6021-69
SEROLOGICAL DIFFERENTIATION OF PYTHIUM APHANIDERMATUM FROM PHYTOPHTHORA PARASITICA VAR. NICOTIANAE AND PH. PARASITICA.
D J Morton P D Dukes
Nature 213(5079):923 REF
04 Mar 1967 472 N21
Fungus diseases (plants), Immunochemistry, Phytophthora parasitica, Pythium aphanidermatum, Serological tests, Soil-borne plant diseases, Tobacco, Tomatoes.

6022-69
EFFECTS OF KINETIN AND ACTINOMYCIN D ON THE SUSCEPTIBILITY OF NICOTIANA GLUTINOSA L. TO INFECTION BY TOBACCO MOSAIC VIRUS.
A K Mukherjee L C Soans M Chessin
Nature 216(5122):1344-1345 REF
30 Dec 1967 472 N21
Actinomycin d, Kinetin, Mosaic, Nicotiana glutinosa, Plant physiology, Plant regulators, Tobacco, Virus diseases (plants).

6023-69
BIOLOGY OF ASCOCHYTA SPECIES PARASITIC ON PEA PLANTS. (RUS)
T Musaev
Uz Biol Zhur 11(3):14-16
1967 442.8 UZ1
Ascochyta, Ascochyta pinodes, Ascochyta pisi, Biology, Fungus diseases (plants), Parasitism, Peas, Pycnidia, Spore germination, Spores. English summary

6024-69
NOTE : OOSPORES OF SCLEROSPORA PHILIPPINENSIS WESTON FROM CORN LEAF TISSUE.
G Napi-Acedo O R Exconde
Philippine Agr 51(4):279-282
Sep 1967 25 P542
Corn, Morphology, Spores.

6025-69
BETEL'S WILT DISEASE CAN BE KEPT UNDER CONTROL.
V Narasimhan M Ramalingam
Indian Farming 17(2):29-30
May 1967 22 IN283
Bordeaux mixture, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Phytophthora parasitica, Piper betle, Wilt.

Symptoms of wilt disease in Piper betle and recommended measures are given using Bordeaux mixture for control of the causal agent, Phytophthora parasitica.

6026-69
STEM ROT OF OIL PALMS IN THE FEDERAL EXPERIMENT STATION, SERDANG.
S J Navaratnam C K Leong
Malaysian Agr J 45(2):175-181
Jul 1965 22.5 F312
African oilpalm, Cultural control (plant diseases), Fertilizers, Fomes, Fungus diseases (plants), Stem rot.

6027-69
A SYMPTOMLESS CARRIER OF SANDAL SPIKE DISEASE.
R Nayar R A Srimathi
Cur Sci 37(19):567-568
05 Oct 1968 475 SC123
Lantana camara, Plant disease transmission, Santalum, Spike disease, Virus diseases (plants).

6028-69
KHAIRA DISEASE OF RICE AND ITS CONTROL.
Y L Nene
Int Rice Comm News Lett 17(1):1-7
Mar 1968 59.9 IN83N
Chemical control (plant diseases), Plant diseases, Plant nutritional deficiencies, Plant physiology, Rice, Soil analysis, Spraying, Symptomatology, Tables (data), Zinc sulphate. Abstracted in Rice J 71(13):22-23 Dec 1968.8.

6029-69
LEMON SCAB (SPHACELOMA FAWCETTII SCABIOSA).
Agr Gaz New S Wales 80(PT 1):65-66
Jan 1969 23 N472
Bordeaux mixture, Chemical control (plant diseases), Fungus diseases (plants), Lemons, Nurseries, Scab, Spraying, Thiocarbamates, Zineb.

6030-69
SORBIC ACID AS AN INHIBITOR OF THE FUSARINM VASINFECTUM FUNGUS, WHICH INDUCES WILT IN THE COTTON PLANT.
N P Oshanina K E Ovcharov
Fiziol Rast 14(2, MAR-APR):234-238
Apr 1967 450 F58
Chemical control (plant diseases), Cotton, Fungus diseases (plants), Fusarium, Plant growth inhibitors, Sorbic acid, Wilt. Russian journal- vol. 14(2):276-281, Mar.-Apr. 1967

6031-69
REPORT OF THE COMMITTEE ON NOMECLATURE OF RICE VIRUS DISEASES.
S H Ou T T Iida K Maramorosch S P Raychaudhuri N Suzuki
Baltimore, John Hopkins Press. 339-346
1969 NB633.C2
Nomenclature, Reports, Rice, Virus diseases (plants).

6032-69
VIRUS DISEASES OF RICE IN SOUTHEAST ASIA.
S H Ou C T Rivera
Baltimore, John Hopkins Press. 23-34 REF
1969 NB633.C2
Cicadellidae, Insect vectors, Rice, Virus diseases (plants).

6033-69
SOME OBSERVATIONS ON TOBACCO YELLOW DWARF CONTROL.
R G Paddick F L French
Aust Tob Growers Bull (13):9-10
1968 69.8 AU72
Chemical control (plant diseases), Cicadellidae, Dimethoate, Insect vectors, Methyl N-((methylcarbamoyl)oxy)thioacetimidate, S-, Methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxi n, Organic compounds, Orosius argentatus, Phosphates, Plant disease control, Plant disease transmission, Tobacco, Transplanting, Virus diseases (plants), Yellow dwarf.

6034-69
THE PROBLEMS OF PLANT DISEASE CONTROL.
B P Pal
Indian Farming 18(5):4-5
Aug 1968 22 IN283
Alternaria, Crop rotation, Fungus diseases (plants), Helminthosporium oryzae, Helminthosporium spiciferum, Mosaic, Piricularia, Plant breeding, Plant disease control, Plant protection, Virus diseases (plants), Wheat.

6035-69
CONTROLLING STEM-END ROT OF RIPE MANGO.
V N Pathak D N Srivastava
Indian Farming 18(5):43,45
Aug 1968 22 IN283
Carbonates, Cellophane, Citrus, Copper, Diplodia natalensis, Fungus diseases (plants), Linseed oil, Mangoes, Oxides, Packing materials, Red lead, Stem end rot.

6036-69
INVESTIGATIONS ON CHEMICAL CONTROL OF ZEBRA DISEASE IN AGAVE HYBRID NO. 11648.
W T H Peregrine
Ann Appl Biol 63(1):45-51
Feb 1969 442.8 AN72
Agave, Chemical control (plant diseases), Copper compounds, Fungus diseases (plants), Maneb (zinc ion), Phytophthora, Thiocarbamates, Zebra disease.

6037-69
BOTRYTIS FLOWER SPOT CONTROL IN ORCHIDS.
J L Peterson S H Davis O W Davidson
Amer Orchid Soc Bull 37(3):227-230
Mar 1968 80 AM329
Aminobutane, 2-, Botrytis cinerea, Cattleya, Chemical control (plant diseases), Cymbidium, Fungicides, Fungus diseases (plants), Orchidaceae, Petal blight, Phalaenopsis, Plant diseases, Plant protection, Tetrachloroisophthalonitrile.

6038-69
SELECTION OF PARENTS AND CROSSES SUITABLE FOR USE IN BREEDING FOR RESISTANCE TO SCAB. (GE)
C Pfeffer M Effmert
Europe Potato J 10(4):286-295 REF
Dec 1967 75.8 EU7
Bacterial diseases (plants), Plant breeding, Plant disease resistance, Plant genetics, Potatoes, Scab, Streptomyces scabies. English and French summaries.

6039-69
RELATIONSHIP OF IRON, MANGANESE, AND BICARBONATE TO CHLOROSIS OF RICE GROWN IN CALCAREOUS SOIL.
G A Place
Ark Agr Exp Sta Rep Ser (175 SER):21P REF
Feb 1969 100 AR42R
Carbonates, Chlorosis, Iron, Manganese, Plant disease control, Plant nutritional deficiencies, Rice, Soil properties.

6040-69
THE MOSAIC DISEASE OF MULLEIN, VERBASCUM THAPSIFORME SCHRADER, OCCURING IN CZECHOSLOVAKIA.
Z Polak S Neubauer
Biol Plant 9(5):360-367 REF
Oct 1967 450 B52
Verbascum thapsiforme.

6041-69
PHYSIOLOGICAL CHANGES IN SUNFLOWERS INFECTED BY STORAGE ROT.
P V Polyakov
Soviet Plant Physiol 15(4,JUL/AUG):597-598
1968 450 F58AE
Fungus diseases (plants), Photosynthesis, Plant physiology, Plant respiration, Sclerotinia, Sunflowers. Translated from Fiziologiya Rastenii, 15(4,Jul/Aug): 716-717, 1968. translated from the Russian.

6042-69
CERCOSPORIDIUM HELLERI ON SPHENOCLEA ZEYLANICA--A NEW RECORD FOR INDIA.
K M Ponnappa

Cur Sci 36(10):273
20 May 1967 475 SC123
Dematiaceae, Fungus diseases (plants), Host records, Plant diseases.

6043-69
ON THE ELM-TREE DIEBACK. (RUM)
N Popescu
Rev Padurilor 83(7):354-356
Jul 1968 99.8 R327
Ceratocystis ulmi, Dieback, Fungus diseases (plants), Plant protection, Ulmus.

6044-69
MYCOLOGICAL TECHNIQUES IN PLANT PATHOLOGY. (FR)
F Rapilly
Ann Epiphyt 19:102P REF
1968 464.9 F84AN
Chemical control (plant diseases), Culture media, Fungicides, Fungus diseases (plants), Methodology, Microorganisms, Mycology, Plant diseases, Plant physiology, Soil fungi.

6045-69
EVIDENCE FOR THE PRESENCE OF THE OHIO STRAIN III OF TOBACCO MOSAIC VIRUS IN TOMATO IN THE NETHERLANDS.
A T B Rast
Neth J Plant Pathol 74(6):234-236
1968 464.8 T44
Mosaic, Plant breeding, Plant disease resistance, Tobacco, Tomatoes, Virology, Virus diseases (plants). Dutch summary.

6046-69
CONTROLLING DISEASES OF OILSEED CROPS.
S P Raychaudhuri
Indian Farming 17(9):29,31-33
Dec 1967 22 IN283
Bacterial diseases (plants), Chemical control (plant diseases), Cultural control (plant diseases), Fungus diseases (plants), Oilseeds, Virus diseases (plants).

The viral, bacterial, and fungal diseases that attack peanuts, castor, sesame, mustard, and linseed are discussed and chemical and cultural control measures are recommended.

6047-69
DISEASES OF PULSES POSE A CHALLENGE TO PLANT PATHOLOGISTS, BREEDERS.
S P Raychaudhuri
Indian Farming 17(11):39,41,43
Feb 1968 22 IN283
Anthracnose, Blight, Fungus diseases (plants), Legumes, Mosaic, Powdery mildew, Rust, Virus diseases (plants), Wilt.

The etiology and pathology of many fungus diseases and several viral diseases of legumes in India are described. Included are wilt, blight, rust, powdery mildew, many mosaics, and anthracnose.

6048-69
VIRUS DISEASE THAT RESEMBLES TUNGRO
S P Raychaudhuri M D Mishra A Ghosh
Indian Farming 17(3):29,33
Jun 1967 22 IN283
Insect vectors, Nephotettix bipunctatus, Plant disease transmission, Rice, Virus diseases (plants).

6049-69
RESEARCH ON THE ASSOCIATED CULTURE OF VIRUSES AND VEGETABLE TISSUES. (FR)
S P Raychaudhuri M D Mishra H C Phatak J Chandra
Acad Sci Compt Rend Ser D Sci Nat 266(8, 1ST SEMESTER):776-777
19 Feb 1968 505 P21
Broadbeans, Cowpeas, Culture media, Plant extracts, Sunflowers, Tissue culture, Virus diseases (plants).

6050-69
DISEASES OF FRUITS AND VEGETABLES.
S P Raychaudhuri D S Bhander
Indian Hort 12(4 JUL-SEP):19-23,34
1968 80 IN23
Air-borne plant diseases, Bacterial diseases (plants), Chemical control (plant diseases), Fruit, Fungicides, Fungus diseases (plants), Plant disease control, Plant nematodes, Plant physiological diseases, Virus diseases (plants).

6051-69
POTATO SPINDLE TUBER VIRUS: A PLANT VIRUS WITH PROPERTIES OF A FREE NUCLEIC ACID. I. ASSAY, EXTRACTION, AND CONCENTRATION. II. CHARACTERIZATION AND PARTIAL PURIFICATION.
W B Raymer T O Diener
Virology 37(3):343-366 REF
Mar 1969 448.8 V81
Assay, Nucleic acids, Plant extracts, Potatoes, Purification, Spindle tuber, Tissue culture, Tomatoes, Virology, Virus diseases (plants).

6052-69
PHOSPHATE DISTRIBUTION IN HEALTHY AND TMV INFECTED TOMATO PLANTS. (POL)
Z Rebowska S Lyszcz
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 33:143-147 REF
1968 64.9 IN7
Phosphates, Plant biochemistry, Plant metabolism, Tobacco mosaic virus, Tomatoes, Virus diseases (plants). English and Russian summaries.

6053-69
SPRAYING TRIALS AGAINST SCLEROTINIA DISEASES OF PLUMS ON FLOWERS AND FRUITS. (FR)
R Renaud
Rev Zool Agr Appl 67(7-9, 3RD TRIMESTER):82-86
1968 410.9 SO12
Blossom blight, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Plums, Sclerotinia laxa, Tetrachloroisophthalonitrile, Thiazolyl)-benzimidizole, 2-(4-. English abstract.

6054-69
MONILIASIS OF PLUM-TREES. BIOLOGY AND METHODS OF CONTROL. (FR)
R Renaud
Rev Zool Agr Appl 66(4-6, 2ND TRIMESTER):58-64
1967 410.9 SO12
Chemical control (plant diseases), Cultural control (plant diseases), Fungus diseases (plants), Life cycle, Moniliasis.

6055-69
TREE-WOUNDING INSECTS AS VECTORS OF THE OAK WILT FUNGUS.
C O Rexrode
Forest Sci 14(2):181-189 MAP REF
Jun 1968 99.8 F7632
Fungus diseases (plants), Insect vectors, Plant disease transmission, Quercus.

6056-69
DETECTION OF PLASMODIOPHORA BRASSICAE RACES 2 AND 6 IN ONTARIO.
A A Reyes
Plant Dis Rep 53(3):223-225
Mar 1969 1.9 P69P
Cabbage, Cauliflower, Clubroot, Fungus diseases (plants), Plasmodiophora brassicae, Turnips.

6057-69
THE NEMATODE OF STEMS AND TUBERCLES (DITYLENCHUS DESTRUCTOR THORNE) AS A DANGEROUS POTATO PEST. (RUM)
E Romascu A Macedon A Dehcleanu
Probl Agr 20(11):79-84
1968 21 R862
Chemical control (nematodes), Ditylenchus destructor, Nematocides, Potatoes.

The following nematocides are discussed: Karbation, D.D., vapam, dibrometan, basamid, trapex and nemagon.

6058-69
THE RESPONSE TO PHOSPHORUS OF SOME ECOLOGICALLY DISTINCT PLANT SPECIES. I. GROWTH RATES AND PHOSPHORUS ABSORPTION.
I H Rorison
New Phyto Logist 67(4):913-923 REF
Oct 1968 450 N42
Absorption, Culture media, Phosphorus, Plant ecology, Plant nutrition, Plant physiology, Plant regulators.

6059-69
DECLINE OF CITRUS TREES IN THE REGIONS OF ARARAQUARA AND BEBEDOURO. (POR)
V Rossetti T Namekata
Biologico 33(12):295-300
Dec 1967 442.8 B529
Citrus, Decline, Oranges, Virus diseases (plants). English abstract.

6060-69
THE EFFECT OF TMV ON THE HILL REACTION IN CHLOROPLASTS FROM VARIOUS TOBACCO SPECIES WITH DIFFERENT RESISTANCE. (RU)
B A Rubin T E Krendeleva E E Bystrykh
Biokhimiya 34(2):345-351 REF
1969 385 B523
Chloroplasts, Hill reaction, Mosaic, Plant biochemistry, Plant disease resistance, Tobacco, Virus diseases (plants). English abstract.

6061-69
PLANT INSECT AND DISEASE CONTROL IN PERU.
R Russell
Institute Of inter-American Affairs 12P
Nov 1952 SB951.R88
Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Insect pests, Insecticides, Rats, Rodenticides.

6062-69
COMPETITIVE SA PROPHYTIC ABILITY AND INOCULUM POTENTIAL OF COTTON ROOT-INFECTING FUNGI IN FIVE SOILS.
K A Sabet I D Khan
Empire Cotton Growing Rev 46(2):119-133 REF
Apr 1969 72.8 EM7
Cotton, Fungus diseases (plants), Physiology, Rhizosphere, Soil series, Tissue culture.

6063-69
EFFECT AND COMPATIBILITY OF NUTRIENT SPRAYS WITH INSECTICIDES AND FUNGICIDES FOR GROUNDNUT (A. HYPOGEA).
M N Sadaphal V Ravindranath V V Thobbi
Indian J Agron 13(3):170-176
Sep 1968 22 IN235
Chemical control (pests), Chlorinated hydrocarbons, Endrin, Fungicides, Fungus diseases (plants), Insect pests, Insecticides, Methyl demeton, Nutrient solutions (plants), Peanuts, Spraying.

6064-69
VARIETAL RESISTANCE TO STRIPE, DWARF, YELLOW DWARF, AND BLACK-STREAKED DWARF.
Y Sakurai
Baltimore, John Hopkins Press. 257-275 REF
1969 NB633.C2
Black-streaked dwarf, Cicadellidae, Plant disease resistance, Rice, Stripe, Virus diseases (plants), Yellow dwarf.

6065-69
FUSARIOSIS OF THE LEGUME CROPS IN LITHUANIA. 3. MAIN FORMS OF LUPINE FUSARIOSIS AND ITS DISTRIBUTION. (RUS)
B Saltenis
Lietwvas Tsr Mokslu Akad Darbai Ser C 3(44):25-37 REF
1967 511 AK192D
Foot rot, Legumes, Lupine, Plant geography, Root rot, Wilt. English and Lithuanian summaries.

The fungus disease was cause by the following fungi: Fusarium avenaceum, F. avenaceum var. herbarum, F. oxysporum, F. gibbosum, F. solani, var. coeruleum, F. javanicum, and F. sambucinum.

6066-69
CORN LODGING. I. RELATIONS BETWEEN SOLUBLE SOLIDS, INORGANIC PHOSPHATES AND BASAL STALK AND ROOT ROTS IN MATURE PLANTS. (SP)
A A Sarasola M A Rocca de Sarasola
Rev Invest Agr Ser 5, Patol Veg 5(8):81-103 REF
1968 464.8 R322
Corn, Fungus diseases (plants), Fusarium, Inorganic compounds, Lodging, Macrophomina phaseoli, Phosphates, Plant physiology, Root rot, Stalk rot. English abstract.

6067-69
INTERRELATIONSHIPS OF LEDUM SPECIES AND THEIR RUST PARASITES IN WESTERN CANADA AND ALASKA.
D B O Savile
Can J Bot 47(7):1085-1100 REF
Jul 1969 470 C16C
Chromosomes, Chrysomyxa, Fungus diseases (plants), Hybrids, Ledum glandulosum, Ledum groenlandicum, Ledum palustre decumbens, Plant genetics, Plant morphology, Uredinales.

6068-69
THE OCCURRENCE OF PHYLLOSTICTA LEAF SPOT OF CORN IN PENNSYLVANIA.
G L Scheifele R R Nelson
Plant Dis Rep 53(3):186-189
Mar 1969 1.9 P69P
Corn, Fungus diseases (plants), Greenhouse culture, Leaf spot, Phyllosticta zeae, Plant disease resistance.

6069-69
ETIOLOGY, SYMPTOMATOLOGY AND EPIDEMIOLOGY OF A VIRUS DISEASE OF CULTIVATED MUSHROOMS.
L C Schisler J W Sinden E M Sigel
MGA Bull (215):549-550,553-554,558-559,563-564,569-570,573-574,577
Nov 1967 80 M97
Dieback, Epidemiology, Etiology, Mushrooms, Plant disease transmission, Symptomatology, Virus diseases (plants), Virus X.

6070-69
RESEARCH ON SAP INFECTIONS. (GE)
F Schonbeck
Phytopathol Z 59(3):205-224 REF
Jul 1967 464.8 P562
Botrytis, Chromatography, Fungicides, Fungus diseases (plants), Plant disease resistance, Research, Sap. English summary

6071-69
A CHEMOTHERAPEUTIC TREATMENT FOR SELECTIVELY ERADICATING CROWN GALL AND OLIVE KNOT NEOPLASMS.
M N Schroth D C Hildebrand
Phytopathology 58(6):848-854 REF
Jun 1968 464.8 P56
Agrobacterium tumefaciens, Biochemistry, Biological assay, Crown galls, Drug therapy, Fruit, Hydrocarbons, Plant galls, Pseudomonas savastanoi, Tomatoes.

6072-69
CONTROL OF SURVIVAL OF OPHIOBOLUS GRAMINIS BETWEEN CONSECUTIVE CROPS OF WINTER WHEAT.
P R Scott
Ann Appl Biol 63(1):37-43
Feb 1969 442.8 AN72
Crop rotation, Fungus diseases (plants), Ophiobolus graminis, Plant disease control, Red clover, Seed-borne plant diseases, Wheat.

6073-69
CELL-FREE SYNTHESIS OF TOBACCO MOSAIC VIRUS COAT PROTEIN AND ITS COMBINATION WITH RIBONUCLEIC ACID TO YIELD TOBACCO MOSAIC VIRUS.
I Sela P Kaesberg
J Virology 3(1):89-91
Jan 1969 QR360.J6
Extracellular substances, Mosaic, Protein synthesis, Ribonucleic acid, Tobacco mosaic virus, Virology, Virus diseases (plants).

6074-69
ASSEMBLY OF PROTEIN AND NUCLEOPROTEIN PARTICLES FROM EXTRACTED TOBACCO RATTLE VIRUS PROTEIN AND RNA.
J S Semancik D A Reynolds
Science 164(3879):559-560
02 May 1969 470 SCI2
Extracts, Nucleoproteins, Proteins, Rattle disease, Ribonucleic acid, Tobacco, Virology, Virus diseases (plants).

6075-69
ZINC DEFICIENCY MAY LIMIT MAIZE YIELDS.
D Sharma K S Sandhu O P. Singh
Com Hort Floristry 5(3):10-11
Jan 1969 S19.P7
Chemical control (plant diseases), Corn, Crop yields, Deficiency diseases, Fertilizers, Micronutrients, Plant nutrition, Zinc, Zinc sulphate.

6076-69
A NOTE ON THE NON-TRANSMISSION OF CENTROSEMA MOSAIC VIRUS THROUGH SEED.
D E Shaw
Papua New Guinea Agr J 19(4):151
Mar 1968 23 N453
Legumes, Mosaic, Plant disease transmission, Seeds, Virus diseases (plants).

No symptoms of centrosema mosaic virus disease were recorded on 1,252 plants of Centrosema pubescens raised from seed derived from infected plants in three tests carried out in Papua.

6077-69
ELECTRON MICROSCOPIC STUDIES OF RICE VIRUSES.
E Shikata
Baltimore, John Hopkins Press. 223-240 REF
1969 NB633.C2
Black-streaked dwarf, Electron microscopy, Insect vectors, Laodelphax striatellus, Nephotettix cincticeps, Rice, Virus diseases (plants).

6078-69
BARLEY DISEASES IN WESTERN AUSTRALIA.
W A Shipton W R Tweedie
West Aust J Agr 9(12):573-577
Dec 1968 23 W52J
Barley, Chemical control (plant diseases), Crop losses, Crop rotation, Cultural control (plant diseases), Fungus diseases (plants), Mercury compounds, Plant disease resistance, Seed-borne plant diseases, Virus diseases (plants). Eleven diseases of barley and their control measures are described.

6079-69
TESTS ON THE BEHAVIOR OF X AND Y VIRUSES OF SOME RIETIES OF POTATOES, IMPORTANT IN BRAZIL. (POR)
K Silberschmidt P Mallozzi
Biologico 33(7):144-150
Jul 1967 442.8 B529
Crop varieties, Potatoes, Virus diseases (plants), Virus X, Virus Y.

6080-69
CONSIDERATIONS ON THE RESISTANCE OF VARIETIES OF TOMATOES TO FUSARIUM WILT . (POR)
A P da Silveira N T de Mendonca B P B Cruz
Biologico 33(2):35-37
Feb 1967 442.8 B529
Crop varieties, Fungus diseases (plants), Fusarium, Plant breeding, Plant disease resistance, Tomatoes, Wilt.

6081-69
REACTION OF NITROSOGUANIDINE (N-METHYL-N'-NITRO-N-NITROSOGUANIDINE) WITH TOBACCO MOSAIC VIRUS AND ITS RNA.
B Singer H Fraenkel-Conrat J Greenberg A M Michelson
Science 160(3833):1235-1237
14 Jun 1968 470 SCI2
Chemical control (plant diseases), Drug therapy, Mosaic, Nitrosoguanidine, Plant biochemistry, Plant genetics, RNA viruses, Tobacco mosaic virus, Virus diseases (plants).

6082-69
STUDIES ON AECIAL DEVELOPMENT IN RUST FUNGI: PUCCINIA POLLINIAE.
B V Singh
Can J Bot 47(5):741-744
May 1969 470 C16C
Fungus cultures, Fungus diseases (plants), Goldfussia dalhousiana, Puccinia polliniae.

6083-69
NITROGENOUS COMPOUNDS IN THE XYLEM SAP OF AMERICAN ELMS WITH DUTCH ELM DISEASE.
D Singh E B Smalley
Can J Bot 47(7):1061-1065
Jul 1969 470 C16C
Amino acids, Ceratocystis ulmi, Dieback (ulmus), Fungus diseases (plants), Immunization, Ninhydrin reaction, Nitrogen compounds, Plant disease resistance, Plant diseases, Sap, Ulmus americana, Xylem.

6084-69
INHERITANCE OF MOSAIC RESISTANCE IN SUGARCANE.
G R Singh
Cur Sci 36(4):107
20 Feb 1967 475 SC123
Inheritance, Mosaic, Plant disease resistance, Plant genetics, Sugarcane, Virus diseases (plants).

6085-69
PENYAKIT MERAH DISEASE, A VIRUS INFECTION OF RICE IN MALAYSIA.
K G Singh
Baltimore, John Hopkins Press. 75-78
1969 NB633.C2
Chemical control (insects), Chlorinated hydrocarbons, Nephotettix impicticeps, Penyakit merah, Plant disease transmission, Rice, Virus diseases (plants).

6086-69
NATURAL INFECTION OF FENUGREEK BY TWO LEGUME VIRUSES.
R P Singh
Plant Dis Rep 53(3):194-198 REF
Mar 1969 1.9 P69P
Legumes, Trigonella foenum-graecum, Vegetables, Virus diseases (plants).

6087-69
PROTECTION OF VINEYARDS FROM PLANT DISEASES. (IT)
G Sitta
Agr Ferrarese 71(2):25-30
28 Feb 1967 16 AG87
Acaricides, Crop varieties, Fungicides, Fungus diseases (plants), Grape vineyards, Insect pests, Insecticides.

A calendar is included recommending the use of various pesticides at various times.

6088-69
RETENTION AND TRANSFORMATION OF ANHYDROUS AMMONIA IN SOIL AND EFFECTS ON FOOT ROT FUSARIA.
R W Smiley R J Cook R I Papendick
Pacific Northwest Fert Conf Proc 19:100-107
16 Jul 1968 57.9 P11
Ammonia, Foot rot, Fungus diseases (plants), Fusarium roseum, Nitrites, Root rot, Soil fungi, Soil hydrogen-ion concentration, Wheat.

6089-69
TOMATO LEAF MOULD: ITS ASSESSMENT AND EFFECTS ON YIELD.
P M Smith F T Last R J Kempton J H Gisborne
Ann Appl Biol 63(1):19-26 REF
Feb 1969 442.8 AN72
Captan, Chemical control (plant diseases), Chlorinated hydrocarbons, Cladosporium fulvum, Crop yields, Dichlorofluoromethylthio)-N,N-dimethyl-N'-phenyl- f, Leaf mold disease, Thiocarbamates, Tomatoes, Zineb.

6090-69
HEAT SENSITIZATION FOR CONTROL OF GREY MOLD OF STRAWBERRY FRUITS BY GAMMA IRRADIATION.
N F Sommer P M Buckley R J Fortlage D A Coon E C Maxie
Radiat Bot 8(6):441-448 REF
Dec 1968 450 R11
Botrytis cinerea, Fungus diseases (plants), Gamma rays, Gray mold, Heat treatment, Irradiation, Strawberries. French and German summaries.

6091-69
SUSCEPTIBILITY OF WATERMELON CULTIVARS TO WATERMELON MOSAIC VIRUS-2.
G Sowell J W Demski
Plant Dis Rep 53(3):208-209
Mar 1969 1.9 P69P
Melons, Mosaic, Plant disease resistance, Virus diseases (plants), Watermelons.

6092-69
RELATIONSHIP OF PEA MOSAIC VIRUS WITH ITS VECTOR APHIS CRACCIVORA KOCH..
T N Sreenivasan T K Nariani
37(6):476-482
Dec 1967
Aphis craccivora, Insect vectors, Mosaic, Peas, Plant disease transmission, Virus diseases (plants).

6093-69
SCREENING RICE VARIETIES FOR RESISTANCE TO BACTERIAL BLIGHT.
D N Srivastava Y P Rao J C Durgapal J K Jindal W Singh
Indian Farming 17(3):25,27-28
Jun 1967 22 IN283
Bacterial blight, Bacterial diseases (plants), Crop varieties, Plant disease resistance, Rice, Xanthomonas oryzae.

One hundred twenty-eight rice varieties were infected with Xanthomonas oryzae, the bacterium causing wilt, and then rated as to their susceptibility on the basis of the condition of the plants after several weeks. twenty-four varieties were found to be resistant or moderately resistant to infection, 75 were highly susceptible, and others were intermediate in response.

6094-69
PLANT PROTECTION. BULLETIN OF THE PLANT PROTECTION STATION OF GENEVA. (FR)
Rev Horticole Suisse 41(5):130-132
May 1968 80 R3212
Fruit culture, Fungicides, Horticulture, Insecticides, Ornamental plants, Plant diseases, Plant protection.

6095-69
EFFECTS OF GROWTH REGULATORS ON EAR DENSITY MUTANTS IN BARLEY.
V Stoy Hagberg
Hereditas 58(3):359-384 REF
30 Dec 1967 442.8 H42
Barley, Gibberellic acid, Plant genetics, Plant mutation, Plant physiology, Plant regulators. English abstract

6096-69
INVESTIGATIONS ON YELLOW RUST IN WHEAT AND BARLEY, 1962-1965. (DU)
R W Stubbs
Stichting Ned Graan-cent Tech Ber 17:69-83
Dec 1967 59.9 ST52TB
Barley, Crop varieties, Crop yields, Fungus diseases (plants), Puccinia striiformis, Stripe rust, Tables (data), Testing, Wheat.

6097-69
TRANSITORY YELLOWING OF RICE IN TAIWAN.
H J Su
Baltimore, John Hopkins Press. 13-21 REF
1969 NB633.C2
Carbamates, Carbaryl, Chemical control (insects), Nephotettix apicalis, Nephotettix cincticeps, Rice, Soils, Virus diseases (plants), Yellows.

6098-69
PYRICULARIA ORYZAE.
C V Subramanian
Commonwealth Mycol Inst Cmi Desc Path Fungi Bact 17(161-170):169
1968 462.7 C73
Air-borne plant diseases, Chemical control (plant diseases), Fungus diseases (plants), Grasses, Piricularia oryzae, Plant geography, Rice.

Description of a fungal pathogen of rice and other Graminae, its geographical distribution and etiology.

6099-69
RECENT TRENDS IN DISEASE CONTROL IN COFFEE.
S Subramanian
Indian Coffee Monthly Bull 32(12):365-368
Dec 1968 68.29 IN23M
Chemical control (plant diseases), Coffee, Foliar application, Immunization, Manganese, Microorganisms, Plant breeding, Plant nutritional deficiencies, Plant protection, Zinc.

6100-69
ERGOT DISEASE OF BAJRA--ITS SYMPTOMS AND CONTROL.
N V Sundaram
Indian Farming 17(9):56-58
Dec 1967 22 IN283
Copper oxychloride, Fungicides, Fungus diseases (plants), Human diseases, Pearlmillet, Poisoning, Toxins, Zineb, Ziram.

Ergot disease of pearlmillet is discussed and control with Ziram or copper oxychloride and Zineb is suggested. Diagnosis of ergot poisoning is described in man and cattle

6101-69
SEPTORIA SPOT ON GRAPE FRUIT IN SOUTHERN CALIFORNIA.
Sunkist Pest Contr Circ (373):1
Dec 1968 423.9 C12E
Bordeaux mixture, Chemical control (plant diseases), Citrus, Fungicides, Fungus diseases (plants), Grapefruit, Plant injuries, Plant protection, Septoria.

6102-69
PURIFICATION, BIOASSY, PROPERTIES, AND SEROLOGY OF RICE VIRUSES.
N Suzuki I Kimura
Baltimore, John Hopkins Press. 207-221 REF
1969 NB633.C2
Biological assay, Cicadellidae, Ribonucleic acid, Rice, Serological tests, Virus diseases (plants).

6103-69
STUDIES ON RESISTANCE TO YELLOW MOSAIC IN BARLEY. II. COMPARISON OF VARIETAL REACTIONS TO THE VIRUSES OF DIFFERENT SOURCES AND RELATION BETWEEN DISEASE SYMPTOM AND DAMAGE. (JA)
R Takahasi T Inouye G Hayasi I Moriya T Hirao K Mitsuhata
Nogaku Kenkyu 52(2):65-78
Jun 1968 22.5 N684
Barley, Plant disease resistance, Plant injuries, Symptomatology, Virus diseases (plants), Yellow mosaic.

6104-69
INFLUENCE OF PRE- AND POST-HARVEST TREATMENTS ON BITTER PIT OF GRANNY SMITH APPLES IN THE GOULBURN VALLEY.
B K Taylor B van den Ende
Australian J Exp Agr Anim Husb 8(31):244-251 REF
Apr 1968 23 AU792
Apples, Bitter pit, Boron, Calcium, Harvesting, Plant diseases, Spraying.

6105-69
INFECTION, RECOVERY FROM INFECTION AND RESISTANCE OF APRICOT TREES TO VERTICILLIUM ALBO-ATRUM.
J B Taylor Nt Flentje
New Zeal J Bot 6(4):417-426 REF
Dec 1968 450 N48
Apricots, Fungus diseases (plants), Plant disease resistance, Trees, Verticillium albo-atrum.

6106-69
FLUCTUATIONS IN NATURAL SOIL POPULATIONS OF VERTICILLIUM TRICORPUS.
J B Taylor
Can J Bot 47(5):737-740 REF
May 1969 470 C16C
Fungus cultures, Microbiology, Soil fungi, Verticillium tricorpus.

6107-69
SOME ASPECTS OF FUSARIUM INFECTION OF WHEAT SEEDS. (DU)
J de Tempe I T Limonard
Stichting Ned Graan-cent Tech Ber 17:35-42
Dec 1967 59.9 ST52TB
Fungus diseases (plants), Fusarium, Fusarium nivale, Root rot, Seeds, Septoria nodorum, Statistical analysis, Testing, Wheat. English summary.

6108-69
THE RELATIONSHIP OF JOHNSON GRASS AND OTHER PERENNIAL HOSTS OF MAIZE DWARF MOSAIC VIRUS TO DISEASE SPREAD AND CONTROL.
H H Thornberry
Weed Soc Amer Abstr 1966 MEETING:7
1966 241 W41
Aphididae, Chemical control (plant diseases), Dwarf mosaic, Insect vectors, Mosaic, Perennial plants, Sorghum halepense, Tripsicum dactyloides, Virus diseases (plants).

6109-69
ADDITIONA L SOURCES OF RESISTANCE TO BACTERIAL CANKER OF TOMATO (CORYNEBACTERIUM MICHIGANENSE).
B D Thyr
Plant Dis Rep 53(3):234-237
Mar 1969 1.9 P69P
Bacterial canker, Bacterial diseases (plants), Corynebacterium michiganense, Plant disease resistance, Tomatoes.

6110-69
SOME RICE DISEASES SUSPECTED TO BE OF VIRUS ORIGIN IN SOUTH VIET NAM.
T H Toan
Baltimore, John Hopkins Press. 87-89
1969 NB633.C2
Bushy stunt, Cicadellidae, Plant disease transmission, Rice, Stunt, Virus diseases (plants).

6111-69
GENETICS OF AND BREEDING FOR RESISTANCE TO RICE VIRUS DISEASES.
K Toriyama
Baltimore, John Hopkins Press. 313-334 REF
1969 NB633.C2
Hoja blanca, Plant breeding, Plant disease resistance, Plant genetics, Rice, Stripe, Tungro, Virus diseases (plants), Yellow dwarf.

6112-69
INVESTIGATIONS ON CERTAIN VIRUS DISEASES ON PEAR TREE IN BULGARIA. (BU)
D Trifonov
Horticult Viticult Sci 5(2):23-35 REF

1968 87 G75
Mottle, Pears, Research, Ring mosaic, Virus diseases (plants), Yellows. English and Russian summaries.

6113-69
STUDIES ON THE RESISTANCE TO ANTHRACNOSE DISEASE, (GLOEOSPORIUM AMPELOPHAGUM) OF GRAPE VARIETIES IN NORTHERN INDIA.
S N Tripathi A M Bartaria
Allahabad Farmer 42(5):275-278
Sep 1968 22 AL5
Anthracnose, Crop varieties, Fungus diseases (plants), Grapes, Plant disease resistance.

6114-69
FUSARIUM BLIGHT AND MERION BLUEGRASS.
J Troll
Usga Green Sect Rec 7(1):7-9
Jan 1969 60.18 UN33
Blight, Fungus diseases (plants), Fusarium roseum, Poa, Turf.

6115-69
SAPROPHYTIC DEVELOPMENT OF THE FLAX RUST MELAMPSORA LINI, RACE NO. 3.
F L M Turel
Can J Bot 47(5):821-823
May 1969 470 C16C
Fungus cultures, Melampsora lini, Plant biochemistry.

6116-69
TRANSFER OF CORIANDRUM SATIVUM L. INFLORESCENCE BLIGHT THROUGH SEEDS AND THE INFLUENCE OF SEED TREATMENT UPON THIS DISEASE. (POL)
B Tyborska K Zaleski A Stelmaszyk
Poznan Inst Przemyslu Zielarskiego Biul 13(4):228-239 REF
1967 451 P87
Bacterial diseases (plants), Blight, Coriandrum sativum, Epidemiology, Plant disease transmission, Seed treatment, Seeds. English and Russian summaries.

6117-69
FOREST DISEASE CONTROL IN CALIFORNIA; JULY 1, 1966 TO JUNE 30, 1967. ASB761.A3.
13 P. MAP
Sep 1967
Arceuthobium, Blister rust (pinus), Forests, Fungus diseases (plants), Pest control, Plant protection, Time, Tree diseases.

6118-69
STUDIES ON BOTRYTIS CINEREA IN TOMATOES. EFFECT OF SOIL NITROGEN LEVEL AND OF METHODS OF DELEAFING UPON THE OCCURRENCE OF B. CINEREA UNDER COMMERCIAL CONDITIONS.
K Verhoeff
Neth J Plant Pathol 74(6):184-192
1968 464.8 T44
Botrytis cinerea, Fungus diseases (plants), Nitrogen, Plant nutrition, Plant regulators, Soils, Tomatoes. Dutch summary.

6119-69
A RAPID COLORIMETRIC METHOD FOR THE DETERMINATION OF TOBACCO MOSAIC VIRUS CONCENTRATION IN PLANT SAPS.
H N Verma G S Verma
Experientia 24(9):972-973
15 Sep 1968 475 EX7
Colorimetry, Methodology, Sap, Tobacco mosaic virus, Virus diseases (plants).

6120-69
RESULTS OF TESTS OF FALL COLZA VARIETIES 1963-1966. (FR)
F Vogel
Switzerland Stat Essais Agr Lausanne Publ (788):7P
May 1967 105.5 SW63
Colza, Oils, Plant diseases, Plant hardiness, Soil properties, Tables (data), Weather. Extract from Romand Agriculture, (ser a) 6(5):64-70, 1967.

6121-69
RUBBERY WOOD DISEASE BECOMES MORE EXTENSIVE. (GE)
G Vukovits
Pflanzenarzt 20(6):62-63
01 Jun 1967 464.9 P482
Apples, Crop varieties, Plant disease transmission, Rubbery wood, Symptomatology, Virus diseases (plants).

6122-69
CONCLUDING REMARKS ON THE VIRUS DISEASES OF THE RICE PLANT.
J C Walker
Baltimore, John Hopkins Press. 337-338
1969 NB633.C2
Chemical control (plant diseases), Insect vectors, Plant disease resistance, Rice, Virus diseases (plants).

6123-69
IRON CHLOROSIS IN RELATION TO IRRIGATION PRACTICES.
E F Wallihan G E Goodall T W Embleton
Calif Avocado Soc Yearbook 52:120-124
1968 81 C128
Avocados, California, Chelation, Chlorosis, Cultural control (plant diseases), Iron, Irrigation, Plant nutrition, Plant nutritional deficiencies.

6124-69
IDENTIFYING MANGANESE DEFICIENCY IN AVOCADO TREES.
E F Wallihan M P Miller
Calif Avocado Soc Yearbook 52:135-136
1968 81 C128
Avocados, Chlorosis, Manganese, Manganese sulfate, Plant nutritional deficiencies, Zinc.

6125-69
VIRUS DISEASES OF RICE IN THAILAND.
L Wathanakul P Weerapat
Baltimore, John Hopkins Press. 79-85 REF
1969 NB633.C2
Leaf rust, Plant disease transmission, Rice, Virus diseases (plants), Yellow dwarf.

6126-69
LEAFSPOT OF GARDENIA.
C Wehlburg
Fla Dep Agr Div Plant Indus Tri-ology Tech Rep 7(6):13
Jun 1968 423.9 F6622
Bacterial diseases (plants), Chemical control (plant diseases), Gardenia, Leafspot, Streptomycin, Symptomatology, Weather.

6127-69
FUSARIUM FOOT-AND-STEM DISEASE OF THE CARNATION. (GE)
J Weindlmayr
Pflanzenarzt 20(6):63-64
01 Jun 1967 464.9 P482
Captan, Copper sulfate, Dianthus caryophyllus, Fungicides, Fungus diseases (plants), Fusarium avenaceum, Fusarium culmorum, Fusarium roseum, Plant injuries, Soil fumigation, Symptomatology.

6128-69
THE SUSCEPTIBILITY OF CEREALS AND WILD OATS TO AN ISOLATE OF THE ASTER YELLOWS PATHOGEN.
P H Westdal H P Richardson
Can J Bot 47(5):755-760 REF
May 1969 470 C16C
Aster yellows, Grain, Microorganisms, Mycoplasma, Oats.

6129-69
NEW DISEASE IN EUROPEAN PLUMS.
A White
Victorian Hort Dig 13(1,FEB/APR):12
1969 80 V662
Chemical control (plant diseases), Fungus diseases (plants), Lime, Plums, Sclerotinia laxa, Spraying, Sulfur.

6130-69
SELECTING AND BREEDING COCONUT PALMS (COCOS NUCIFERA L.) RESISTANT TO LETHAL YELLOWING DISEASE. A REVIEW OF RECENT WORK IN JAMAICA.
R A Whitehead
Euphytica 17(1):81-101 MAP REF
Apr 1968 450 EU6
Coconuts, Lethal yellowing, Plant breeding, Plant disease resistance, Plant diseases, Plant genetics, Seedlings.

6131-69
AN OBSERVATION ON THE INFLUENCE OF NITROGEN FERTILIZATION ON THE ATTACK OF PEAS BY POWDERY MILDEW (ERYSIPHE POLYGONI DC).
T Wijngaarden J Ellen
Plant Soil 30(1):143-144
Feb 1969 450 P696
Erysiphe polygoni, Fertilizers, Fungus diseases (plants), Nitrogen compounds, Peas, Plant protection, Powdery mildew.

6132-69
STUDIES ON THE TRANSMISSION OF PEA LEAF ROLL VIRUS BY MYZUS PERSICAE (SULZ.).
J Wilson
New Zeal J Agr Res 11(3):607-614
Aug 1968 23 N4892
Aphididae, Insect vectors, Leaf roll, Myzus persicae, Peas, Virus diseases (plants). English abstract

6133-69
VIRUS DISEASES OF CELERIAC AND CARROTS IN EUROPE. (GE)
P Wolf
Deut Gartenbau 15(5):131-134 REF
May 1968 80 G1948
Aster yellows, Carrots, Celeriac, Crop yields, Insect vectors, Mosaic, Motley dwarf, Plant disease transmission, Virus diseases (plants).

6134-69
COMBATING BACTERIAL AND FUNGAL PLANT DISEASES WITH HEXACHLOROPHENE(2,2'-METHYLENE BIS-(3,4,6-TRICHLOROPHENOL). PATENT 3,420,936.
Wright
Us Patent Office Offic Gaz 858(1):278
07 Jan 1969 156.65 OF2
Bacteria, Fungus diseases (plants), Methylenebis(3,4,6-trichlorophenol), 2,2'-, Patents, Plant diseases.

6135-69
CUCURBIT DISEASES, AN AID TO IDENTIFICATION AND CONTROL.
D S Wysong J L Weihing
Nebr Univ Ext Ec (69-1848):2P
May 1968 275.29 N272EX
Bacterial diseases (plants), Chemical control (plant diseases), Cucurbits, Fungus diseases (plants), Plant diseases. Ten different diseases are described.

6136-69
VEGETABLE DISEASES, II. AN AID TO IDENTIFICATION AND CONTROL.
D S Wysong J L Weihing
Nebr Univ Ext Ec (69-1849):2P
May 1968 275.29 N272EX
Bacterial diseases (plants), Chemical control (plant diseases), Cultural control (plant diseases), Fungus diseases (plants), Vegetables, Virus diseases (plants).

The following vegetable diseases are discussed: Stem anthracnose, mosaic, bacterial spot, downy mildew, lettuce drop, fusarium wilt, white leaf spot, rust, and scab.

6137-69
EFFECT OF VIRUS ON THE RICE PLANT.
S Yasuo
Baltimore, John Hopkins Press. 167-177 REF
1969 NB633.C2
Fertilizers, Leaf roll, Necrosis, Rice, Virus diseases (plants).

6138-69
DISEASE CONTROL.
H C Young R V Sturgeon J M Vargas R E McCoy
Oklahoma State University, Turfgrass Research. (PT 2):1-20
Dec 1965 60.19 OK4
Agrostis, Algae, Brown patch, Chemical control (plant diseases), Cynodon dactylon, Dollar spot, Fungicides, Fungus diseases (plants), Grasses, Spring dead spot.

6139-69
RARE SYMPTOMS ON CHRYSANTHEMUM MORIFOLIUM INFECTED WITH PUCCINIA HORIANA.
J C Zadoks A Kodde
Neth J Plant Pathol 74(6):232-233
1968 464.8 T44
Chrysanthemum morifolium, Fungus diseases (plants), Parasitism, Puccinia horiana. Dutch summary.

6140-69
RHYTIDIELLA MORIFORMIS N. GEN., SP. CAUSING ROUGH-BARK OF POPULUS BALSAMIFERA.
H Zalasky
Can J Bot 46(11):1383-1387
Nov 1968 470 C16C
Culture media, Fungus diseases (plants), Populus balsamifera, Research, Rhytidiella moriformis, Rough bark.

6141-69
SARCOTROCHILA ALPINA AND LOPHODERMIUM LARICINUM CAUSING LARCH NEEDLE BLIGHT IN NORTH AMERICA.
W G Ziller
Plant Dis Rep 53(3):237-239 REF
Mar 1969 1.9 P69P
Fungus diseases (plants), Larix, Lophodermium, Needle blight, Sarcotrochila alpina.

ARTHROPODS

6142-69
EXPERIMENTS TO CONTROL ACORN WEEVILS WITH SYSTEMIC INSECTICIDES. DORSEY, C K.
Forest Sci 13(4):390-396
Dec 1967 99.8 F7632
Acorns, Bidrin, Chemical control (insects), Phorate, Quercus, Systemic insecticides.

6143-69
FIELD STUDIES ON THE CHEMICAL CONTROL OF THE STEM BORER CHILO PARTELLUS ON HYBRID SORGHUM IN INDIA.
S M Ahmed W R Young
J Econ Entomol 62(2):478-482 REF
15 Apr 1969 421 J822
Benzene hexachloride, Carbaryl, Chemical control (insects), Chilo zonellus, Chlorinated hydrocarbons, Crop yields, Endrin, Insect pests, Insecticide application, Lindane, Plant injuries, Pyralidae, Sorghum, Spraying.

6144-69
ESTIMATED FRASER FIR MORTALITY AND BALSAM WOOLLY APHID INFESTATION TREND USING AERIAL COLOR PHOTOGRAPHY.
R C Aldrich A T Drooz
Forest Sci 13(3):300-313 MAP REF
Sep 1967 99.8 F7632
Abies fraseri, Adelges piceae, Aerial photography, Forest surveys, Mortality.

6145-69
DAMAGE CAUSED BY ADULTS OF LEPIDOPTERA NOCTUIDAE IN MANGO FRUITS IN 1964. (SP)
N Angeles J R Requena R Rodriguez
Agron Trop 17(2,APR-JUN):133-137
1967 26 AG87
Agricultural economics, Insect pests, Mangoes, Noctuidae, Plant injuries. English summary.

6146-69
THE WATER WEEVIL PROBLEM.
Anonymous
Rice J 72(2):24
Feb 1969 59.8 R36
Aldrin, Chemical control (insects), Chlorinated hydrocarbons, Curculionidae, Insect pests, Insecticide resistant insects, Insecticides, Lissorhoptrus oryzophilus, Propanil, Rice. Researchers continue search for effective control of ricefield pest that will not interact with Propanil.

6147-69
SCIENTISTS FIND THE CAUSE OF THE BEAN WILT DISEASE.
Anonymous
J Agr 67(2):49
Feb 1969 23 V66J
Beans, Cicadellidae, Insect vectors, Plant disease resistance, Plant disease transmission, Virus diseases (plants), Wilt.

6148-69
DDT AND THE FARMER.
Anonymous
J Agr 67(2):53
Feb 1969 23 V66J
Chemical control (pests), Chlorinated hydrocarbons, DDT, Pesticides. Many crops are discussed in relation to DDT application.

6149-69
RESISTANT CORN ROOTWORMS... A PROBLEM ALMOST EVERYWHERE.
Anonymous
Doanes Agr Rep 32(5):22F,22H
08 Feb 1969 281.8 D652
Chemical control (insects), Chrysomelidae, Corn, Cultural control (insects), Diabrotica, Insecticide application, Insecticide resistant insects, Insecticides. Many insecticides for the control of corn rootworm are listed.

6150-69
CONTROL OF THE CASTOR SHOOT AND CAPSULE BORER, DICHOCROCIS PUNCTIFERALIS GUEN.
B S Bai N V Radha B V David
Madras Agr J 55(11):470-473
Nov 1968 22 M262
Benzene hexachloride, Carbamates, Carbaryl, Castorbeans, Chemical control (insects), Chlorinated hydrocarbons, Dichocrocis punctiferalis, DDT, Fenthion, Imidan, Insect control, Insecticides, Malathion, Organophosphorus compounds, Parathion, Plant protection, Pyraustidae, Trichlorfon.

6151-69
ALFALFA HOPPER DAMAGES SMALL SOYBEAN PLANTS.
J C Bailey L B Davis M L Laster
Miss Farm Res 33(5):1,5
May 1969 100 M69MI
Crop losses, Lodging, Plant injuries, Soybeans, Spissistilus festinus.

6152-69
THE BIOLOGY, ECOLOGY AND CONTROL OF VANAPA OBERTHURI POUILL. COLEOPTERA; CURCULIONIDAE IN HOOP PINE ARAUCARIA PLANTATIONS IN NEW GUINEA.
J H Barrett
Papua New Guinea Agr J 19(2):47-60
Sep 1967 23 N453
Araucaria cunninghami, Chemical control (insects), Curculionidae, Insect biology, Insect ecology.

6153-69
DISULFOTON AS A SYSTEMIC INSECTICIDE FOR CONTROL OF ADULT WHITE-FRINGED BEETLES ON PEANUTS.
F J Bartlett J A Mitchell Z A Shaw
J Econ Entomol 61(4):1126
15 Aug 1968 421 J822
Biochemistry, Chemical control (insects), Disulfoton, Dosage, Humidity, Insecticide application, Insecticides, Mortality, Peanuts, Soils.

6154-69
ON THE SIGNIFICANCE OF THE LYGUS SPECIES AS A PLANT PEST. (GE)
R Bech
Biol Zentralbl 86(2,MAR-APR):205-232
Apr 1967 442.8 B523
Chrysanthemum, Crop losses, Fungi, Insect pests, Insect vectors, Lygus, Miridae, Mosaic, Plant histology, Plant injuries, Virus diseases (plants). English abstract.

6155-69
THE BIOLOGICAL CONTROL OF RED SCALE AONIDIELLA AURANTII (MASK), ON CITRUS IN SOUTH AFRICA.
E C G Bedford
Plant Protect Abs 4:202
Sep 1968 241.75 P69
Aonidiella aurantii, Biological control (pests), Citrus, Plant protection. Citrus Journal, no. 413, May 1968, p.17-28.

6156-69
INFESTATION RATE AND DAMAGE BY THE NANTUCKET PINE TIP MOTH IN SIX LOBLOLLY PINE STAND CATEGORIES.
C W Berisford H M Kulman
Forest Sci 13(4):428-438 REF
Dec 1967 99.8 F7632
Habitats, Insect pests, Pinus taeda, Plant geography, Tree injuries.

6157-69
INSECT PESTS OF PULSE CROPS.
O S Bindra
Indian Farming 17(11):12-14,56
Feb 1968 22 IN283
Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, Crop losses, DDT, Insect pests, Insecticides, Legumes.

6158-69
ALFALFA INSECTS IN OHIO.
B D Blair H D Niemczyk
Ohio State Univ Ext Leafl (130):8P MAP
Jan 1969 275.29 OH32EL
Alfalfa, Chemical control (insects), Curculionidae, Empoasca fabae, Hypera postica, Insect pests, Insecticides, Larvicides, Plant injuries, Weather. Several pesticides are recommended.

6159-69
INSECTICIDE CONTROL OF HELIOTHIS PUNCTIGERA WALLENGR. II. LINSEED CROP, 1961.
T V Bourke L Campbell-Smith
Agr Gaz New S Wales 78(PT 9):543-546
Sep 1967 23 N472
Carbaryl, Chemical control (insects), DDT, Endosulfan, Flaxseed, Heliothis.

6160-69
FACTORS AFFECTING THE APPEARANCE OF HOLLY OAKS IN SOUTHERN CALIFORNIA.
L R Brown C O Eads
J Econ Entomol 62(1):114-117
17 Feb 1969 421 J822
Armillaria mellea, Chemical control (insects), Dieback, DDT, Insect vectors, Oxydemetonmethyl, Plant diseases, Quercus ilex, Spraying.

6161-69
STUDIES ON THE STRAWBERRY MITE (TETRANYCHUS TELARIUS (L). (POR)
R Calza N S Filho
Biologico 33(7):137-143
Jul 1967 442.8 B529
Carbophenothion, Chemical control (insects), Dichlorvos, Dimethoate, Ethion, Insecticide residues, Insecticides, Mevinphos, Mites, Organophosphorus compounds, Strawberries, Tetranychus telarius.

6162-69
CONTROL OF SOME PESTS OF EVERGREENS.
R L Campbell
31:27-31
Sep 1968
Adelges cooleyi, Aphididae, Carbamates, Carbaryl, Chemical control (insects), Chlorinated hydrocarbons, Cinara strobi, Diaspididae, Dimethoate, Eriophyes thujae, Ethion, Formulations, Fuel oil, Insect pests, Insecticides, Malathion, Mites, Organophosphorus compounds, Phenacaspis pinifoliae, Phylloxeridae, Picea abies, Pinus sylvestris, Plant protection, Pseudococcidae, Pseudotsuga menziesii, Taxus, Thuja.

6163-69
ESTABLISHMENT OF APHELINUS MALI (HALDEMAN) AT SHILLONG, ASSAM.
M J Chacko
Cur Sci 36(11):298-299
05 Jun 1967 475 SC123
Aphelinus mali, Biological control (insects), Eriosoma lanigerum.

Biological control of the woolly aphid, a serious pest of apples in India, was successful with the introduction of Aphelinus mali, a hymenopterous parasite.

6164-69
IMPROVEMENT OF THE AGRICULTURAL WARNING (DEVICE) AGAINST THE CEREAL GALL MOTH (CNEPHASIA PUMICANA ZELL., LEP. TORTRICIDAE). (FR)
J P Chambon
Rev Zool Agr Appl 67(7-9, 3RD TRIMESTER):95-102
1968 410.9 SO12
Insect behavior, Insect control, Insect outbreak forecasting, Insect traps, Insecticide application, Tortricidae.

6165-69
INSECT-PESTS ATTACKING SUGAR CANE AT AGRA.
B S Chandel R L Yadava
Balwant Vidyapeeth J Agr Sci Res 6(1/2,JUN-DEC):92-94
1964 22 B212
Insect pests, Sugarcane. Twenty insect pests of sugarcane are listed.

6166-69
BAITS FOR THE CONTROL OF LEAF-CUTTING ANTS. I. FORMULATION.
J M Cherrett
Trop Agr &st Augustine& 46(2):81-90 REF
Apr 1969 26 T754
Atta texana, Attractants, Baits, Chemical control (insects), Oils.

The advantages of baits for the control of leaf-cutting ants, over previous methods of nest destruction are stressed, particulaly in the context of large-scale eradication campaigns. Two important formulation problems centre around the possible use of an oil in which the intoxicant is dissolved, and the selection of a suitably attractive base. Thirty vegetable oils were screened for attractiveness to Atta cephalotes and Acromyrmex octospinosus. Both field and laboratory studies on the attractiveness of oils and on their subsequent ingestion suggest that A. cephalotes, and A. octospinosus, differ in their preferences from Atta texana.

6167-69
LEAFHOPPER TRANSMISSION OF TRANSITORY YELLOWING OF RICE.
R J Chiu J H Jean
Baltimore, John Hopkins Press. 131-137 REF
1969 NB633.C2
Insect vectors, Nephotettix, Plant disease transmission, Rice, Yellows.

6168-69
STUDIES ON A BIOLOGICAL AND A CHEMICAL METHOD OF CONTROLLING THE DARK RICE FIELD MOSQUITO IN LOUISIANA. (ABSTRACTS).
B R Craven C D Steelman
Rice J 71(13):25
Dec 1968 59.8 R36
Abate, Biological control (insects), Carbamates, Chemical control (insects), Culicidae, Fenthion, Gambusia affinis, Insecticides, Larvae, Propanil, Psorophora confinnis, Rice, Urea compounds. Abstract furnished by David F. Houston, 223 Behrens St., El Cerrito, Calif.

6169-69
GUIDE LINES FOR THE TESTING OF MATERIALS ON CARROT FLIES ON CARROTS. (GE)
G Cruger C Bauers H-F Lichte E Mosebach J Schmidt
Berlin Biol Bundesanst Land-forstwirtsch Mitt (3):1-7
1968 410.9 G31M
Carrots, Chemical control (insects), Diptera, Insecticides, Methodology, Psila rosae, Psilidae.

6170-69
ALTERNATE HOSTS OF THE GREENBUG.
N E Daniels
J Econ Entomol 62(2):521
15 Apr 1969 421 J822
Insect pests, Insect populations, Schizaphis graminum, Sorghum, Wheat.

6171-69
CHEMICAL CONTROL OF THE TEA TORTRIX (HOMONA COFFEARIA NIETNER).
W Danthanarayana D J W Ranaweera
Ceylon Tea Res Inst Tea Quart 39(3):50-60
Sep 1968 68.18 C33
Braconidae, Chemical control (insects), Chlorinated hydrocarbons, DDT, Insect control, Insecticides, Tortricidae, Trichlorfon.

Of nineteen insecticides evaluated, the best control of the Tea Tortrix Caterpillar (Homona coffearia Nietner) was provided by DDT which at the rate of four to six pints (18-15 per cent EC) per acre gave satisfactory tortrix control for a period of more than two months. There was no difference in the degree of control obtained with either low-volume or high-volume applications of DDT. No adverse effects on the population of the tortrix parasite Macrocentrus homonae were evident.

6172-69
TWIG AND BRANCH MORTALITY OF AMERICAN BEECH INFESTED WITH OYSTERSHELL SCALE.
R C DeGroot
Forest Sci 13(4):448-455 MAP REF
Dec 1967 99.8 F7632
Fagus grandifolia, Insect pests, Lepidosaphes ulmi, Zoogeography.

6173-69
EFFECTS OF THE WINTER MOTH ON GROWTH AND MORTALITY OF RED OAK IN NOVA SCOTIA.
D G Embree
Forest Sci 13(3):295-299
Sep 1967 99.8 F7632
Defoliation, Mortality, Operophtera brumata, Plant injuries, Quercus rubra.

6174-69
HYLEMYIA CILICRURA ROND. ON THE DIANTHUS CULTURES OF PESCIA AND VERSILIA. (IT)
G A Fenili
Redia (SER 2)50:151-162
1967 421 R241
Aldrin, Anthomyiidae, Chemical control (insects), Dianthus, Dieldrin, DDT, Insect biology, Insect eggs, Larvae, Muscidae, Parathion, Pupae, Soil treatment, Spraying. English summary.

6175-69
STUDY OF THE CONTROL OF ANTONINA GRAMINIS (MASKELL)--CURSE OF HAY (DIGITARIA PENTZII) WITH GRANULAR SYSTEMIC INSECTICIDES. (POR)
N S Filho P Nutti R Calza
Biologico 35(1):22-24
Jan 1969 442.8 B529
Antonina graminis, Digitaria, Disulfoton, Formulations, Hay, Organophosphorus compounds, Phorate.

6176-69
ISOLATION OF THE ORGANISM CAUSING YEAST-SPOT DISEASE FROM THE SALIVARY SYSTEM OF THE GREEN STINK BUG.
J E Foster D M Daugherty
J Econ Entomol 62(2):424-427
15 Apr 1969 421 J822
Acrosternum hilare, Fungus diseases (plants), Insect physiology, Insect vectors, Nematospora coryli, Plant disease transmission, Salivary glands (insects), Soybeans, Yeast spot.

6177-69
STUDIES ON THE ATTACK BEHAVIOR OF THE SOUTHERN PINE BEETLE. III. SEQUENCE OF TREE INFESTATION WITHIN STANDS.
R I Gara J E Coster
Boyce Thompson Inst Contrib 24(4,JUL-SEP):77-85 REF
Sep 1968 451 B69
Dendroctonus frontalis, Insect behavior, Insect outbreaks, Ips, Pinus taeda.

6178-69
NOTES ON GALL-MIDGES FROM ISRAEL AND THEIR PARASITES.
U Gerson I Harpaz
Entomol Ber 28(8):144-148 REF
01 Aug 1968 420 N38B
Cecidomyiidae, Gall-making insects, Insect behavior, Insect pests, Plant galls.

6179-69
TRANSMISSION OF CLOVER PHYLLODY BY A NEW LEAFHOPPER VECTOR, EUSCELIDIUS VARIEGATUS.
J Giannotti
Plant Dis Rep 53(3):173 REF
Mar 1969 1.9 P69P
Aceucephalus nervosus, Cicadellidae, Clover, Euscelidius variegatus, Insect vectors, Phyllody, Plant diseases.

6180-69
NORTHERN SPY, MERTON AND MALLING-MERTON ROOTSTOCKS SUSCEPTIBLE TO WOOLLY APHID, ERIOSOMA LANIGERUM, IN THE WESTERN CAPE.
J H Giliomee D K Strydom H J Van Zyl
S Afr J Agr Sci 11(1):183-186
Mar 1968 24 SU3
Aphididae, Apples, Eriosoma lanigerum, Plant diseases, Plant pest resistance. Afrikaans, french and english abstract

6181-69
TESTING INSECTICIDES ON THE FARM.
H Gunderson
Crops Soils 21(7,APR-MAY):18
1969 6 W55
Chemical control (insects), Insecticide applicat ion, Insecticides.

6182-69
1969 INSECT CONTROL GUIDE FOR COLORADO. I. CEREAL CROPS, FIELD CROPS, FORAGE CROPS, STORED GRAIN.
W M Hantsbarger

Colo Agr Exp Sta Gen Ser (883):26P
Feb 1969 100 C71G
Accident prevention, Chemical control (insects), Forage plants, Grain, Insect pests, Insecticides, Stored products.

6183-69
1969 TREE FRUIT SPRAY GUIDE.
W M Hantsbarger
Colo Agr Exp Sta Gen Ser (886):14P
Feb 1969 100 C71G
Accident prevention, Fruit culture, Fungus diseases (plants), Insect pests, Insecticide application, Insecticides, Regulation (pesticides), Spraying.

6184-69
1969 INSECT CONTROL GUIDE FOR COLORADO. II. VEGETABLE CROPS.
W M Hantsbarger
Colo Agr Exp Sta Gen Ser (884):26P
Feb 1969 100 C71G
Chemical control (insects), Insect pests, Insecticides, Vegetables.

6185-69
CONTROL OF INSECTS ON ALFALFA AND RED CLOVER.
W. Harding J W Neal D Shriver W E Bickley
Md Univ Ext Fact Sheet (149):4P
Dec 1968 275.29 M36FA
Acaricides, Alfalfa, Aphididae, Cercopidae, Chemical control (insects), Cicadellidae, Curculionidae, Empoasca fabae, Hypera postica, Hypera punctata, Insect pests, Insecticide application, Insecticides, Mites, Noctuidae, Philaenus spumarius, Red clover, Tetranychus atlanticus. Many insecticides are listed.

6186-69
INSECT CONTROL IN COTTON.
H M Hassan
Tabak-Zeitung (11):17-25
Dec 1968 286.9 SU2
Chemical control (insects), Cotton, Insect pests, Insecticides, Spraying. Many insecticides were recomended for the insect pests of cotton.

6187-69
PORINA AND GRASSGRUBS PUT CURBS ON PRODUCTION.
G A H Helson
New Zeal J Agr 115(6):25,27
Dec 1967 23 N48J
Caterpillars, DDT, Insect ecology, Lindane, Pasture management.

Crop losses due to Porina caterpillars and grass grubs is discussed. Control with DDT on pasture lands has been banned because of residue problems and the use of diazinon and lindane is suggested in its place.

6188-69
DESCRIPTION, DAMAGE AND CONTROL OF THE SOUTHWESTERN CORN BORER.
C A Henderson F M Davis
Miss Farm Res 33(5):1,4-5,8 MAP
May 1969 100 M69MI
Biological control (insects), Carbamates, Carbaryl, Chemical control (insects), Chlorinated hydrocarbons, Corn, Crop losses, Cultural control (insects), Diatraea grandiosella, Diazinon, Endrin, Insect pests, Insect physiology, Insecticides, Organophosphorus compounds, Tillage, Zoogeography.

6189-69
THOSE HUNGRY GYPSIES (PHOTO STORY).
L Hess
Amer Forests 75(3):28-31
Mar 1969 99.8 F762
Chemical control (insects), Chlorinated hydrocarbons, DDT, Insect control, Legislation, Porthetria dispar.

A photostory illustrating the destructive nature of the gypsy moth, Porthetria dispar, and several control measures are presented.

6190-69
FIGS (FICUS SPP.) AND FIG-WASPS (CHALCIDOIDEA).
D S Hill
Ann Mag Natur Hist 1(3,JUL-SEP):413-434 REF
Sep 1967 410 AN77
Chalcidoidea, Figs, Host relationships, Insect ecology, Pollination, Symbiosis.

6191-69
MYCOPLASMA-LIKE BODIES IN THE SALIVARY GLANDS OF INSECT VECTORS CARRYING THE ASTER YELLOWS AGENT.
H Hirumi K Maramorosch
J Virology 3(1):82-84 REF
Jan 1969 QR360.J6
Aster yellows, Glands (insects), Insect vectors, Mycoplasma, Salivary glands, Virology, Virus diseases (plants).

6192-69
INDICATIONS ON PLANT CARE FOR OLIVE CROP CULTIVATION. (GE)
O Horning
Gesunde Pflanzen 19(5):94-97
May 1967 464.8 G33
Chemical control (insects), DDT, Field crops, Insecticides, Lindane, Olives, Rape, Siphonaptera, Tillage.

6193-69
INSECTICIDAL FIELD TREATMENTS FOR THE CONTROL OF THE EUROPEAN CORN BORER. OSTRINIA NUBILALIS (HUBNER) IN SOUTHWESTERN QUEBEC, 1967.
M Hudon
Pesticide Progr 6(2):43-45
Mar 1968 79.8 P434
Biochemistry, Carbaryl, Chemical control (insects), Corn, DDT, Field crops, Insecticides, Ostrinia nubilalis, Plant injuries, Spraying.

6194-69
TIMING INSECTICIDE APPLICATIONS FOR EUROPEAN CORN BORER CONTROL IN SOUTHWESTERN QUEBEC, 1967.
M Hudon
Pesticide Progr 6(2):44-45
Mar 1968 79.8 P434
Chemical control (insects), Corn, DDT, Injections, Insecticide application, Insecticides, Metamorphosis, Ostrinia nubilalis, Population, Time.

6195-69
CHEMICAL CONTROL OF CODLING MOTH WITH DDT AND SEVIN, THE RESISTANCE PROBLEM OF CODLING MOTH TO DDT AND ADDITIONAL OBSERVATIONS ON THE EFFECT OF FRUIT THINNING OF SEVIN. (TU)
Z Iren
Bitki Koruma Bulteni 6(2):49-66 REF
1966 464.8 B542
Acaricides, Biochemistry, Carbaryl, Carpocapsa pomonella, Chemical control (insects), DDT, Fruit, Immunity, Insecticide application, Population, Research, Spraying. English summary

6196-69
CONCERNING A MASS POPULATION INCREASE OF THE FALSE PINE WEBWORM, ACANTHOLYDA ERYTHROCEPHALA CHR. IN STEINFELD, LOWER AUSTRIA, IN THE YEARS 1964-1967. PRELIMINARY COMMUNICATION. (GE)
E Jahn
Anz Schadlingskunde 40(10):145-152 REF
Oct 1967 421 AN9
Acantholyda erythrocephala, Chemical control (insects), Fumigants, Pinus nigra, Polyhedroses, Tree injuries. English, french and Russian summaries.

6197-69
RESISTANCE TO BOLL WEEVIL (ANTHONOMUS GRANDIS BOH.) OVIPOSITION IN COTTON.
J N Jenkins F G Maxwell W L Parrot W T Buford
Crop Sci 9(3,MAY-JUN):369-372
May 1969 64.8 C883
Anthonomus grandis, Cotton, Oviposition, Plant nematode resistance.

6198-69
FIELD EXPERIMENTS WITH TRICHOGRAMMA BRASILIENSIS FLAND. FOR THE POSSIBLE CONTROL OF THE PINK BOLLWORM OF COTTON, PECTINOPHORA GOSSYPIELLA SAUND., IN MEXICO. (SP)
E J Jimenez
Fitofilo (58,APR-MAY-JUN):5-9
Jun 1968 421 F55
Biological control (insects), Insect control, Pectinophora gossypiella, Predaceous insects, Trichogramma.

6199-69
SAN JOSE SCALE (QUADRASPIDIOTUS PERNICIOSUS).
E L Jones
Agr Gaz New S Wales 78(PT 11):668-670
Nov 1967 23 N472
Aspidiotus perniciosus, Carbaryl, Chemical control (insects), Fruit, Malathion, Trees.

6200-69
BLOODWORMS- PESTS OF RICE.
E L Jones
Agr Gaz New S Wales 79(8):477-478
Aug 1968 23 N472
Biochemistry, Chemical control (insects), DDT, Field crops, Insect pests, Insecticides, Plant injuries, Rice, Roots, Seed germination, Seedlings.

6201-69
PONGAMIA CAKE CAN CONTROL TOBACCO BEETLE.
B G Joshi R S N Rao
Indian Farming 18(7):33
Oct 1968 22 IN283
Chemical control (insects), Insect control, Insecticidal plants, Insecticides, Pongamia, Tenebrionidae, Tobacco.

Cakes made of Pongamia, an insecticidal plant, were found to be effective in controlling tobacco beetles and had the added advantage over dieldrin and aldrin of leaving no harmful residues in the soil.

6202-69
TERMITES NEED NO LONGER THREATEN GROUNDNUT IN NIMAR.
P K Kaushal R R Deshpande
Indian Farming 17(7):17
Oct 1967 22 IN283
Aldrin, Benzene hexachloride, Chemical control (insects), Chlordane, Chlorinated hydrocarbons, Heptachlor, Insect detection, Isoptera, Lindane, Peanuts, Plant injuries.

The nature of the injuries to peanut plants by termites is described. Chlordane and heptachlor are recommended for control.

6203-69
INSECTICIDE RECOMMENDTIONS FOR TOBACCO FIELDS, 1969.
Ky Univ Ext Misc (270-F):3P
1969 275.29 K415M
Chemical control (insects), Insect pests, Insecticides, Soil insects, Tobacco. Many insecticides were recommended against various insects.

6204-69
COMPARATIVE EFFICACY AND ECONOMICS OF VARIOUS MEASURES ADOPTED FOR ERADICATION OF WHITE GRUB BEETLE (HOLOTRICHIA SERRATA FABRICIUS) DAMAGING SUGARCANE IN UTTAR PRADESH.
S S Khanna K M Gupta K M Rai
Indian Sugar 18(3):247-250
Jun 1968 65.8 IN26
Chemical control (insects), Chlorinated hydrocarbons, Economics, Heptachlor, Holotrichia serrata, Insecticides, Isobenzan, Plant protection, Scarabaeidae, Sugarcane.

6205-69
ECOLOGY OF INSECT VECTORS, FORECASTING, AND CHEMICAL CONTROL.
R Kisimoto
Baltimore, John Hopkins Press. 243-255
1969 NB633.C2
Black-streaked dwarf, Carbaryl, Chemical control (insects), Chlorinated hydrocarbons, Diazinon, Fenthion, Insect ecology, Insect outbreak forecasting, Insect vectors, Laodelphax striatellus, Nephotettix cincticeps, Rice, Stripe.

6206-69
ALFALFA WEEVIL CONTROL, 1969.
G Knowlton D W Davis
Utah State Univ Ext Ext Leafl (54):6P
1969 275.29 UTIL
Alfalfa, Biological control (insects), Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Cultural control (insects), Hypera postica, Insect physiology, Insecticide application, Insecticides, Organophosphorus compounds.

The insecticides discussed are parathion, malathion, methyl parathion, methoxychlor, carbaryl, alfatox, diazinon, and guthion.

6207-69
GRASSHOPPER CONTROL 1969.
G F Knowlton
Utah State Univ Ext Ext Leafl (75):11P
1969 275.29 UTIL
Alfalfa, Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Cultural control (insects), Grain, Grasshoppers, Insecticide application, Insecticides, Organophosphorus compounds, Pastures. Many insecticides for grasshopper control are discussed.

6208-69
DRYFARM WHEAT INSECTS.
G F Knowlton
Utah State Univ Ext Entomol Mimeo Ser (139):2
Mar 1969 275.29 UTIEN
Chemical control (insects), Insect pests, Insecticides, Wheat.

The insect pests harmful to wheat are aphids, brown wheat mite, cutworms, armyworms, grass bugs, grasshoppers, pale western cutworm, stink bug, thrips, and wireworms. Ten insecticides are also listed.

6209-69
GYPSY MOTH (OCNERIA DISPAR) CONTROL IN THE ROADSIDE PLANTATIONS. TRANSL. 17032.
F Kokhmanyuk
4P
22 Jan 1969
Attractants, Fruit, Insect biology, Insect pests, Insect traps, Plant protection, Plantations, Porthetria dispar. Translation from Protection of Plants against Pests and Diseases 10(4):30-31, 1965. translated by C. E. Nikiforoff.

6210-69
IXODES RICINUS BORNE PARASITES OF CATTLE IN THE NETHERLANDS. (DU)
H Kuil
Entomol Ber 27(4):65-68
01 Apr 1967 420 N38B
Babesia, Cattle, Eperythrozoon, Epizootic diseases, Insect vectors, Ixodes ricinus, Livestock diseases, Rickettsia. English abstract

6211-69
APHYTIS MYTILASPIDIS (LE BARON), A PARASITE OF PARLATORIA BLANCHARDI (TARG) IN THE PALM PLANTATIONS OF THE ADRAR REGION OF MAURITANIA. (FR)
Y Laudeho
Fruits 23(5):271-275
May 1968 80 F9492
Aphytis, Dates, Hyperparasitism, Larvae, Palmae, Parasitism, Parlatoria blanchardii, Zoogeography.

6212-69
A CONTRIBUTION TO THE STUDY OF THE ZOOCECIDIA OF SNOWDONIA NATIONAL PARK AND ADJACENT PARTS OF NORTH WALES.
D Leatherdale
Marcellia 343):203-211 MAP REF
Dec 1967 421 M33
Cecidomyiidae, Research, Zoogeography.

6213-69
THE USE OF INSECTICIDES IN THE SWEDISH FORESTRY.
B Lekander
Opusc Entomol 33(1-2):50-51
1968 421 OP7
Chemical control (insects), Forest insects, Hylobius, Insecticides.

6214-69
DEVELOPMENT OF RESISTANCE TO DDT BY THE APPLE MAGGOT, RHAGOLETIS POMONELLA.
D F Leonard
J Econ Entomol 54(5):880-882, 9 REFS.
Aug 1961 421 J822
Apples, DDT, Insecticide resistant insects, Maggots, Rhacoletis.

6215-69
OLD PESTS WITH NEW APPETITES.
A Linn
Farm Quart 24(1,SPRING):50,122,124
1969 6 F22995
Chemical control (insects), Hymenoptera, Insect pests, Insecticides, Parasitism, Sorghum, Zoogeography. The following insecticides were used: ethyl parathion, systox, diazinon, malathion, di-syston and cygon.

6216-69
EFFECT OF RICE-PATHOGENIC VIRUSES ON THEIR INSECT VECTORS.
K Maramorosch
Baltimore, John Hopkins Press. 179-203 REF
1969 NB633.C2
Cicadellidae, Insect vectors, Rice, Stripe, Virus diseases (plants).

6217-69
THE USE OF ENTOMOPATHOGENIC MICROORGANISMS IN AGRICULTURE: ACTUAL AND PROSPECTIVE POTENTIALITIES OFFERED BY BACILLUS THURINGIENSIS BERLINER. (FR)
D Martouret
Paris Acad Agr France Compt Rend Hebd Seances 53(2.):154-159
1967 14 P215BC
Bacillus thuringiensis, Biological control (insects), Insect diseases, Insect pests.

6218-69
A MITE TO COMBAT COCONUT CATERPILLAR.
K Mathen B Sathiamma C Kurian
Indian Farming 18(5):32-33
Aug 1968 22 IN283
Biological control (insects), Caterpillars, Coconuts, Mites, Nephantis serinopa, Plant protection, Predaceous insects, Pyemotes ventricosus.

6219-69
COTTON PRODUCTION: INSECTS - COMPARATIVE ECONOMIC INSECT REPORT.
J May
Arizona Agricultural Experiment Station, Tucson. SER.P-15:39-42
Feb 1969 S544.3.A6A7
Cotton, Crop yields, Insect pests, Reports. Twenty-three pest of cotton are mentioned indicating geographical location and seasonal variations.

6220-69
THE SOUTH AFRICAN CARNATION ROLLER MOTH EPICHORISTODES ACERBELLA (WALK.) DIAKONOFF. (GE)
K Mayer
Nachrichtenbl Deut Pflanzenschutzdienstes 19(1):8-9 REF
Jan 1967 442.9 B832
Carbaryl, Chemical control (insects), Dianthus caryophyllus, DDT, Insect pests.

6221-69
MARYLAND ARBORISTS DISCUSS INSECT CONTROL.
C W McComb
Amer Nurseryman J 129(6):12,44,46,48,50
15 Mar 1969 80 AM371
Agrilus anxius, Aphididae, Buprestidae, Cerambycidae, Chemical control (insects), Chlorinated hydrocarbons, Dieldrin, DDT, Fertilizer application, Fertilizers, Insect pests, Insecticides, Lindane, Saperda calcarata, Trees.

6222-69
YIELD REDUCTION OF OATS CAUSED BY THE CEREAL LEAF BEETLE.
D L Merritt J W Apple
J Econ Entomol 62(2):298-301
15 Apr 1969 421 J822
Carbofuran, Chemical control (insects), Crop yields, Malathion, Oats, Oulema melanopus, Spraying.

6223-69
THE ORIENTAL FRUIT MOTH AND ITS CONTROL.
R L Miller H Y Forsythe
Ohio State Univ Ext Leafl (L-159):2P
Mar 1969 275.29 OH32EL
Azinphosmethyl, Carbaryl, Chemical control (insects), Chlorinated hydrocarbons, DDT, Fruit, Grapholitha molesta, Insecticides, Organophosphorus compounds, Parathion, Peaches.

6224-69
THE CODLING MOTH AND ITS CONTROL.
R L Miller H Y Forsythe
Ohio State Univ Ext Leafl (L-158):2P
Mar 1969 275.29 OH32EL
Apples, Azinphosmethyl, Carbaryl, Carpocapsa pomonella, Chemical control (insects), Chlorinated hydrocarbons, DDT, Insecticides, Larvae.

6225-69
CAPSID BUGS ON FRUIT.
Great Brit M in Agr Fish Food Adv Leafl (154):5P
Jul 1968 10 G79LA
Azinphosmethyl, Chemical control (insects), DDT, Fruit, Insect biology, Insect identification, Insect pests, Lygocoris pabulinus, Plant injuries, Plesiocoris rugicollis, Spraying.

6226-69
ABNORMAL RAY TISSUE IN THREE TRUE FIRS INFESTED BY THE BALSAM WOOLLY APHID.
R G Mitchell
Forest Sci 13(3):327-332
Sep 1967 99.8 F7632
Abies, Adelges piceae, Compreg, Phytopathology, Tree injuries.

6227-69
THE PINK BOLLWORMS OF COTTON, PECTINOPHORA GOSSYPIELLA SAUND., IN A PROTECTED NORTHWEST ZONE AND DIAGNOSTIC CHARACTERISTICS. (SP)
E E Miyazauna
Fitofilo (58,APR-MAY,JUN):11-16
Jun 1968 421 F55
Cotton, Insect identification, Pectinophora gossypiella.

6228-69
VECTORS OF RICE VIRUSES IN ASIA.
S Nasu
Baltimore, John Hopkins Press. 93-109 REF
1969 NB633.C2
Insect vectors, Nephotettix, Plant disease transmission, Rice, Virus diseases (plants).

6229-69
SOME OBSERVATIONS ON THE INTERRELATIONS OF PLANTS AND INSECTS IN THE FOOTHILLS OF SOUTHERN TAJIKISTAN. (RU)
G N Nepli
Bot Zhur (moscow) 52(12):1791-1794
Dec 1967 451 R923
Ecology, Insects, Plants.

6230-69
INSECT PESTS OF PALM TREES. (FR)
G Nonveiller
Cameroun Agr Past Forest (110):14-39 REF
Jun 1967 24 C353
Chemical control (insects), Crop losses, Cultural control (insects), Insect pests, Palmae, Plant nematodes, Rodents. Many insect pests of palm trees are described and the means for their control are discussed.

6231-69
INSECT PESTS OF BARLEY AND THEIR CONTROL.
R G Oahms
U S D A Agr Handb (338):43-44
Mar 1968 1 AG84AH
Acrididae, Aphididae, Barley, Biological control (insects), Carbamates, Cecidomyiidae, Chemical control (insects), Chlorinated hydrocarbons, Chrysomelidae, Insect pests, Insecticide application, Insecticides, Lygaeidae, Noctuidae, Organophosphorus compounds.

The insect pests discussed are: greenbug, English grain aphid, chinch bug, Hessian fly, armyworm, grasshoppers and cereal leaf beetle. The insecticides discussed are: parathion malathion, demeton, methyl parathion, carbaryl and toxaphene.

6232-69
CONTROLLING PEACH YELLOWS IN A PEACH BREEDING PROGRAM.
G D Oberle S A Wingard
Hortscience 2(2,SUMMER):55-56
1967 SB1.H6
Chemical control (pests), Chlorinated hydrocarbons, Cicadellidae, Dieldrin, DDT, Insect vectors, Macropsis trimaculata, Peaches, Plant breeding, Plant protection, Virus diseases (plants), Yellows.

6233-69
ITALIAN BEET CULTURE. THE PROTECTION AGAINST INSECT PESTS. (IT)
R Olimpieri
Agricoltura 17(6):72-78
Jun 1968 16 AG8226
Beets, Chemical control (insects), Coleoptera, Diptera, Hemiptera, Insect pests, Lepidoptera, Nematocides, Plant nematodes. English and French summaries. discussion of many insect pests and nematodes.

6234-69
THE PRINCIPLE INSECT PESTS OF BEETS AND THE MEANS OF THEIR CONTROL IN TURKEY. (FR)
M Ozer
Ankara Univ Ziraat Fak Yayinlari (296):54P REF
1967 107 AN42
Beets, Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, Crop losses, DDT, Insect biology, Insect morphology, Insect pests, Organophosphorus compounds, Zoogeography.

Many pests belonging to the following orders are discussed: Coleoptera, Lepidoptera, Diptera, Orthoptera, Thysanoptera and Homoptera.

6235-69
INSECT PESTS OF GRAIN IN THE FIELD OF TURKEY.
M . Ozer
Ankara Univ Fac Agr Yearbook 7:151-160 REF
1967 25 AN42
Crop losses, Cultural control (insects), Grain, Insect behavior, Insect pests, Plant protection. Many pests of grain are described.

6236-69
COUNTERING THE CASTOR SEMI-LOOPER.
Y D Pande
Indian Farming 17(6):23,25
Sep 1967 22 IN283
Achaea janata, Benzene hexachloride, Castorbeans, Chemical control (insects), Chlorinated hydrocarbons, Cultural control (insects), DDT, Endrin, Lead arsenate.

The life cycle and control of the castor semi-looper (Achaea janata) is discussed. Plowing of effected fields after harvest, and destruction of wild (volunteer) plants together with the application of DDT, HCH, endrin, or lead arsenate are the recommended control measures.

6237-69
ESSAY ON INSECTICIDAL TREATMENTS ON THE APPLE FRUIT FLY, RHAGOLETIS POMONELLA (WALSH) IN SOUTHWEST QUEBEC. (FR)
R O Paradis
Entomol Soc Quebec Ann 13(1):54-64 REF
Jan 1968 420 EN822
Apples, Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Dimethoate, DDT, Insecticide application, Organophosphorus compounds, Plant pest control, Rhagoletis pomonella. English abstract

6238-69
NAVY BEAN PESTS.
T Passlow
Queensland Agr J 94(12):762-763
Dec 1968 23 Q33
Caterpillars, Chemical control (insects), Chlorinated hydrocarbons, DDT, Insect pests, Insecticides, Kidney beans.

6239-69
DELHI FARMERS NEED NOT BE AFRAID OF MUSTARD APHID.
K M Peswani K Kumar R Lal
Indian Farming 18(7):17-19
Oct 1968 22 IN283
Benzene hexachloride, Chemical control (insects), Insect control, Insecticides, Lindane, Lipaphis erysimi, Mustard.

Three spray treatments per season with 0.1 per cent lindane were found to successfully control the mustard aphid, Lipaphis erysimi. Treated plants produced quanitatively and qualitatively increased seed yields in comparison with the controls.

6240-69
A GUIDE TO THE USE OF PESTICIDES FOR THE CONTROL OF AGRICULTURAL PESTS.
B K Petty J Bot N Hollings
Government Printer, Pretoria, Republic Of South Africa 66P
Jun 1966 SB961.P4
Accident prevention, Chemical control (pests), Pesticide application, Pesticides, Plant protection. The article is a guide to the use of many pesticides.

6241-69
GUIDE LINES FOR THE TESTING OF MATERIALS SAN-JOSE SCALE INSECT (SJS). (GE)
W Plilipp K Hanuss
Berlin Biol Bundesanst Land-forstwirtsch Mitt (3):1-7
1968 410.9 G31M
Apples, Aspidiotus perniciosus, Chemical control (insects), Diaspididae, Homoptera, Insecticides, Methodology.

6242-69
INSECTS AND DISEASES OF VEGETABLES IN THE HOME GARDEN.
L B Reed R E Webb
U S D A Home Gard Bull (46):48P
Oct 1968 1 AG84HG
Bacterial diseases (plants), Beneficial insects, Chemical control (insects), Chemical control (plant diseases), Dusting equipment, Fungicides, Fungus diseases (plants), Insect pests, Insecticides, Spraying equipment, Vegetables, Virus diseases (plants). Many insect pests and diseases of specific vegetables are discussed. Also many pesticides are listed.

6243-69
DIAPAUSE GETS 95 PER CENT KILL.
S Ross
Cotton 5(5):17,27
May 1969 72.8 C8225
Anthonomus grandis, Chemical control (insects), Cotton, Defoliants, Diapause, Insecticides, Organophosphorus compounds.

6244-69
THE BANANA BEETLE CAN BE CHECKED.
A K Sarma P N Saikia
Indian Farming 17(2):18-19
May 1967 22 IN283
Bananas, Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, Dieldrin, Insect control, Insecticides, Nodostoma subcostatum, Parathion.

Dieldrin was more efficient and less expensive for the control of the banana beetle than HCH and parathion at comparable application rates.

6245-69
PESTS OF LEGUME SEED CROPS IN NORTH QUEENSLAND.
G W Saunders
Queensland Agr J 94(12):725-730
Dec 1968 23 Q33
Agromyza phaseoli, Aphididae, Caterpillars, Chemical control (insects), DDT, Hyacinth dolichos, Insect pests, Insecticides, Legumes, Mites, Nematodes, Pseudococcidae, Seeds.

6246-69
BIONOMICS OF DROSICHA MANGIFERAE (GREEN) ON CITRUS INCLUDING NEW RECORD OF ITS THREE NATURAL ENEMIES.
D K Saxena R R Rawat
Madras Agr J 55(7):309-313
Jul 1968 22 M262
Aspergillus parasiticus, Biological control (insect s), Bochartia, Citrus, Coccinellidae, Drosicha mangiferae, Insect biology, Insect pests, Insect taxonomy, Margarodidae, Mites, Parasitic insects, Rodolia fumida.

6247-69
1969, STRAWBERRY INSECT AND DISEASE CONTROL.
R A Scheibner A S Williams
Ky Univ Ext Misc (71-H):2P
1969 275.29 K415M
Chemical control (insects), Chemical control (plant diseases), Fungus diseases (plants), Insect pests, Insecticides, Pesticide application, Strawberries. Many insect pests, pesticides, and diseases of strawberries are listed.

6248-69
NEW INSECTICIDES AGAINST PESTS OF RAPE AND BEETS. (GE)
O Schreier
Pflanzenarzt 20(6):65
01 Jun 1967 464.9 P482
Aphis fabae, Beets, Ceutorhynchus assimilis, Chemical control (insects), Dasineura brassicae, Endosulfan, Insect pests, Insecticides, Pegomya betae, Psylliodes chrysocephala, Rape, Spraying.

6249-69
VIRUS DISEASES AS LIMITING FACTORS OF SOME LEPIDOPTEROUS DEFOLIATORS ON POPLAR TREES IN VOJVODINA.
C Sidor
168-173 REF
1967 SB932.I5
Defoliation, Granuloses, Insect diseases, Lepidoptera, Polyhedroses, Populus.

6250-69
PRELIMINARY OBSERVATIONS ON HETERONYCHUS ROBUSTUS ARROWA BEE-

TLE PEST OF SUGARCANE IN UTTAR PRADESH.
H Singh S M A Rizfi
Indian Sugar 18(3):251-252
Jun 1968 65.8 IN26
Cultural control (insects), Insect control, Insect pests, Plant protection, Scarabaeidae, Sugarcane.

6251-69
EFFECT OF CLIMATIC FACTORS ON THE SUSCEPTIBILITY OF INSECTS TO INSECTICDES.
Harcharan Singh
Plant Protect Bull 18(2):18-26 REF
1966 421 P69
Anthonomus grandis, Climate, Dew, DDT, Humidity, Insecticide resistant insects, Insecticides, Light, Plant protection, Rainfall, Temperature, Wind.

6252-69
THE PROBLEM OF LEAF HOPPERS ON PADDY.
S R Singh
Indian Farming 17(3):24
Jun 1967 22 IN283
Chemical control (insects), Cicadellidae, Insect pests, Organophosphorus compounds, Phosphamidon, Plant breeding, Plant pest resistance, Rice.

6253-69
FEEDING OF AULACOPHORA FOVEICOLLIS ON CUCURBITACIN.
A K Sinha S S Krishna
J Econ Entomol 62(2):512-513
15 Apr 1969 421 J822
Attractants, Chrysomelidae, Cucurbitacin E, Feeding, Insect nutrition, Pumpkins.

6254-69
A VITICULTURAL CRISIS OF MORE THAN A QUARTER OF A CENTURY: IT HAS BEEN A CENTURY SINCE FRANCE DISCOVERED PHYLLOXERA. (FR)
H Siriez
Phytoma 20(195):13-23
Feb 1968 464.8 P563
Grape vineyards, Insect identification, Insect pests, Insect physiology, Phylloxera vitifoliae, Plant galls, Plant injuries.

6255-69
BRINJAL LEAF ROLLER.
B P Srivastava
Indian Farming 16(2):17,35
May 1966 22 IN283
Benzene hexachloride, Chemical control (insects), DDT, Tortricidae.

The life cycle and the control of the Brinjal leaf roller of India with DDT and BCH is discussed.

6256-69
CONTROL OF THE CORN EARWORM ON SWEET CORN IN EASTERN NEBRASKA.
R Staples S D Kindler B H Kantack
J Econ Entomol 61(3):774-776
Jun 1968 421 J822
Bacillus thuringiensis, Biochemistry, Carbaryl, Corn, DDT, Heliothis zea. Chemicals used were: zectran, matacil, bayer 37344, isolan, dimetilan, UC-8305, dioxathion.

6257-69
FRUIT SPRAY PROGRAM FOR THE HOME ORCHARDIST.
A Stark M S Burningham G F Knowlton R S Roberts
Utah State Univ Ext Ext Leafl (137):7P
1969 275.29 UTIL
Chemical control (pests), Chlorinated hydrocarbons, Fruit, Organophosphorus compounds, Pesticide application, Pesticides, Plant protection.

Many pests of fruit and their control measures are described. The fruits discussed are apples, peaches, cherries, apricots, strawberries, rasberries, pears, and plums. The pesticides listed are karathane, malathion, diazinon, kelthane, chlordane and DDT.

6258-69
CONTRIBUTION TO THE KNOWLEDGE OF MICROLEPIDOPTERA ON OAKS IN ISRAEL.
M Sternlicht
Israel J Zool 17(4):161-174 REF
1968 410 IS7
Insect biology, Lepidoptera, Quercus, Surveys.

6259-69
STUDIES ON THE ANTIFEEDANT AGAINST THE CATTERPILLARS OF PERICALLIA RICINI F. (ARCTIIDAE) AND SPODOPTERA LITTORALIS BOESD. (NOCTUIDAE: LEPIDOPTERA) ON CASTOR (RICINUS COMMUNIS L.).
V T Sundaramurthi A A Kareem
Madras Agr J 55(7):296-300
Jul 1968 22 M262
Arctiidae, Castorbeans, Chemical control (insects), Insect pests, Insecticides, Leaves, Noctuidae, Pericallia ricini, Plant injuries, Triphenyltin hydroxide.

6260-69
ANNUAL PEST CONTROL PROGRAMS FOR CENTRAL CALIFORNIA.
Sunkist Pest Contr Circ (375):1-2
Feb 1969 423.9 C12E
Chemical control (insects), Citrus, Coccidae, Diaspididae, Insect pests, Insecticide application, Insecticides, Mites, Noctuidae, Tettigoniidae, Thripidae, Tortricidae.

Insecticides were recommended for the following insect pests: citrus thrips, citrus red mite. Pacific and two-spotted mites, citrus flat mite, red scale, yellow scale, citricola scale, leaf rollers, citrus cutworms and katydids.

6261-69
EARLY SPRING TREATMENT IN DESERT AREAS OF CALIFORNIA AND ARIZONA.
Sunkist Pest Contr Circ (375):2
Feb 1969 423.9 C12E
Chemical control (insects), Citrus, Insect pests, Insecticide application.

6262-69
CITRUS PEST CONTROL PROGRAMS FOR CALIFORNIA AND ARIZONA DESERT AREAS.
Sunkist Pest Contr Circ (376):1-2
Mar 1969 423.9 C12E
Chemical control (insects), Chlorinated hydrocarbons, Citrus, Mites, Plant protection, Scirtothrips citri.

The chemicals Sabadilla, Phosphamidon, Delnav, DDT, DDT-TOXAPHENE, and Dimethoate are listed for control of citrus thrips.

6263-69
CONCERNING THE PROBLEM OF CONTROLLING THE OCCURENCE, AS WELL AS ESTIMATING THE DEGREE OF INFESTATION OF TREE STANDS BY IPS TYPOGRAPHUS L. (CZ)
P Svihra
Les 24(3):104-107
1968 99.8 L5632
Chemical control (insects), Forest insects, Infestation, Ips typographus, Methodology, Picea. German summary.

6264-69
EFFECTS OF SPITTLEBUG INJURY ON ROOT PRODUCTION AND SOD RESERVES OF COASTAL BERMUDAGRASS.
C M Taliaferro R A Byers G W Burton
Agron J 59(6,NOV-DEC):530-532
Dec 1967 4 AM34P
Cynodon dactylon, Plant injuries, Plant physiology, Prosapia bicincta, Roots.

6265-69
SYSTEMIC ACTIVITY OF UC-21149 AGAINST THE CITRUS RED MITE, CITRUS THRIPS, CALIFORNIA RED SCALE, AND SPIREA APHIDS ON NONBEARING ORANGE TREES.
H Tashiro D L Chambers J G Shaw J B Beavers J C Maitlen
J Econ Entomol 62(2):443-447 REF
15 Apr 1969 421 J822
Aonidiella aurantii, Aphis spiraecola, Biological assay, Chemical control (insects), Dosage, Insect pests, Insect populations, Insecticide residues, Methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl) o, Panonychus citri, Plant physiology, Scirtothrips citri.

6266-69
CONTROL PEANUT INSECTS AND DISEASES.
S S Thompson J C French
Ga Univ Coll Agr Ext Serv Circ (543):3P
Mar 1969 275.29 G29C
Chemical control (insects), Chemical control (plant diseases), Insect pest s, Legumes, Peanuts, Pesticides, Plant diseases, Seed treatment.

6267-69
HOW TO CONTROL JUTE PESTS ECONOMICALLY.
R L Tripathi
Indian Farming 18(7):23-24,56
Oct 1968 22 IN283
Chemical control (insects), Crop losses, Curculionidae, Endosulfan, Endrin, Insect control, Insecti cides, Jute, Plant injuries.

The nature of the damage to jute plants caused by semiloopers, stem-weevils, yellow mites, and Bihar hairycaterpillars is described and recommended control measures using endrin and endosulfan are given.

6268-69
THE RED CURRANT GALL MITE CAN BE CONTROLLED BY SPRAYING. (GE)
W Vagt
Obstbauversuchsring Alten Landes Mitt 23(4):120
Apr 1968 85 J76
Cecidophyopsis ribis, Chemical control (insects), Currants, Eriophyidae, Spraying, Tetrasul.

6269-69
COTTON INSECT PEST CONTROL.
J Ward
Rhodesian Tobacco J 20(10):35,37
Oct 1968 69.8 R34
Chemical control (insects), Cotton, Crop yields, Insect pests, Insecticide application, Insecticides, Spraying.

6270-69
DDT-C14 TRANSLOCATION IN ALFALFA.
G W Ware
J Econ Entomol 61(5):1451-1452
15 Oct 1968 421 J822
Alfalfa, Biochemistry, Carbon isotopes, DDT, Injections, Insecticides, Plant translocation, Roots, Seedlings, Soil series, Wheat.

6271-69
ALL WE KNOW ABOUT PINK BOLLWORMS.
J G Watts
Agrichem West 12(4):6-7,10
Apr 1969 381 AG85
Antibiosis, Azinphosmethyl, Biological control (insects), Carbaryl, Chemical control (insects), Cotton, Crop varieties, Cultural control (insects), Defoliants, Economics, Farm management, Hydroxy-N-methyl-cis-crotonamide dimethyl phosphate, 3-, Insect pests, Irradiation, Irrigation, Pectinophora gossypiella, Plant breeding, Plant pest resistance, Seed germination, Sterility.

6272-69
THE AMOUNT OF FOLIAGE CONSUMED OR DESTROYED BY LABORATORY-REARED LARVAE OF THE BLACK-HEADED BUDWORM, ACLERIS VARIANA.
R A Werner
Can Entomol 101(3):286-290
Mar 1969 421 C16

Acleris variana, Defoliation, Forest insects, Host indexing (plants), Insect pests, Plant injuries.

6273-69
BARK BEETLES.
E Wertheim
Calif Horticult Soc J 28(1):130-132
Jan 1967 81 C1293
Chemical control (insects), Chlorinated hydrocarbons, DDT, Fungus diseases (plants), Insect pests, Lindane, Plant protection, Scolytidae, Trees.

6274-69
HOST RANGE STUDIES OF OAT BLUE DWARF VIRUS.
P H Westdal
Can J Bot 46(11):1431-1435
Nov 1968 470 C16C
Blue dwarf, Crops, Host range, Leaves, Oats, Research, Virus diseases (plants).

6275-69
SPRUCE BUDWORM DAMAGE SYMPTOMS RELATED TO RADIAL GROWTH OF GRAND FIR, DOUGLAS-FIR, AND ENGELMANN SPRUCE.
C B Williams
Forest Sci 13(3):274-285 REF
Sep 1967 99.8 F7632
Abies grandis, Choristoneura fumiferana, Picea engelmanni, Plant injuries, Pseudotsuga menziesii.

6276-69
INSECTS ON TRIAL IN FIGHT AGAINST LANTANA.
B W Willson
Queensland Agr J 94(12):748-751
Dec 1968 23 Q33
Biological control (insects), Economic plants, Insect pests, Lantana, Ornamental plants, Plant injuries.

6277-69
GROW ALFALFA IN SPITE OF THE WEEVIL.
C Wilson
Crops Soils 21(6):7-9
Mar 1969 6 W55
Alfalfa, Bathyplectes curculionis, Biological control (insects), Chemical control (insects), Hypera postica, Insecticidal aerosols, Integrated control (insects).

6278-69
CONTROL COTTON INSECTS .
H Womack C R Jordan J C French
Ga Univ Coll Agr Ext Serv Circ (501):16P
Mar 1969 275.29 G29C
Accident prevention, Anthonomus grandis, Aphididae, Cotton, Heliothis zea, Insect pests, Insecticide application, Insecticide resistant insects, Insecticides, Mites, Systemic insecticides, Thysanoptera. Many insecticides are listed.

6279-69
DIFFERENCES AMONG SCOTCH PINE VARIETIES IN SUSCEPTIBILITY TO EUROPEAN PINE SAWFLY.
J W Wright L F Wilson W K Randall
Forest Sci 13(2):175-181 REF
Jun 1967 99.8 F7632
Insect resistant plants, Neodiprion sertifer, Pinus sylvestris, Plant breeding.

6280-69
PHENOLOGY OF THE POTATO TUBER MOTH, GNORIMOSCHEMA OPERCULELLA ZELL., IN ISRAEL IN THE SPRING.
S Yathom
Israel J Agr Res 18(2):89-90
Apr 1968 107 J552
Bionomics, Gnorimoschema operculella, Insect pests, Plant injuries, Potatoes.

6281-69
REVIEW OF WORK ON MAJOR INSECT PESTS OF RICE IN MALAYSIA. PART I. MALAYAN REGION.
A Yunus
Malaysian Agr J 45(1):28-56 REF
Jan 1965 22.5 F312
Heteroptera, Homoptera, Insect pests, Lepidoptera, Reviews, Rice.

6282-69
GENERALITIES ON THE WHITE POTATO GRUB PREMNOTRYPES VORAX (HUSTACHE). (SP)
I Zenner L Posada O
Agr Trop 24(1):33-40
Jan 1968 26 AG8
Food habits, Insect biology, Potatoes, Premnotrypes vorax.

The life cycle, food habits and economic importance of the white potato grub (Premnotrypes vorax) is discussed.

NEMATODES

6283-69
THE GOLDEN NEMATODE OF POTATOES AND TOMATOES.
USDA PA- (816):4P
Feb 1969 1 AG84PRO
Chemical control (nematodes), Crop varieties, Heterodera rostochiensis, Plant disease resistance, Plant injuries, Plant nematodes, Plant pest control, Potatoes, Quarantine, Soil fumigation, Surveys, Tomatoes.

6284-69
REGULATION IN CONNECTION WITH FIELD AND GREENHOUSE CULTURE OF NURSERY PLANTS. (DU)
Anonymous
Neth Plantenziektenkundige Dienst Ber 1718,3P
17 Jul 1968 464.9 N38
Agricultural regulation, Greenhouse culture, Heterodera rostochiensis, Nursery stock (horticulture), Pest control, Plant nematodes, Potatoes. In relation to potato nematode control.

6285-69
CELLULYTIC AND PECTOLYTIC ENZYMES IN THE NEMATODE, APHELENCHUS AVENAE.
K R Barker
Helminthol Soc Wash Proc 33(2):134-138 REF
Jul 1966 436.9 H36
Aphelenchus avenae, Biochemistry, Cellulolytic enzymes, Pectolytic enzymes, Plant nematodes.

6286-69
LOSSES CAUSED BY POTATO CYST EELWORM IN THE ISLE OF ELY.
E B Brown L J Coppock
Great Brit NAAS (nat Agr Adv Serv) Quart Rev (80,SUMMER):146-149
1968 241 G796
Crop losses, Heterodera rostochiensis, Plant nematodes, Potatoes.

6287-69
USE OF NICKEL MORPHOLINE DITHIOCARBAMATE AS A NEMATOCIDE. PATENT 3,450,817.
J J Draney J C Draney
Us Patent Office Offic Gaz 863(3):902
17 Jun 1969 156.65 OF2
Chemical control (nematodes), Dithiocarbamates, Nematocides, Nematode infestation, Nickel compounds, Patents.

6288-69
SIGNIFICANCE OF MALES IN REPRODUCTION OF THE SOYBEAN CYST NEMATODE (HETERODERA GLYCINES).
J M Epps A M Golden
Helminthol Soc Wash Proc 33(1):34
Jan 1966 436.9 H36
Heterodera glycines, Plant nematodes, Reproduction.

6289-69
MORPHOLOGICAL VARIANT OF TETYLENCHUS JOCTUS THORNE (NEMATA: TYLENCHIDA) ASSOCIATED WITH CULTIVATED BLUEBERRIES IN INDIANA.
V R Ferris J M Ferris
Helminthol Soc Wash Proc 34(1):30-32
Jan 1967 436.9 H36
Blueberries, Morphology, Nematodes, Plant nematodes, Polymorphism, Tetylenchus joctus.

6290-69
BURROWING NEMATODES MAY SURVIVE ON VARIANTS OF MILAM LEMON.
H W Ford P C Hutchins
Hortsci 2(2,SUMMER):56
1967 SB1.H6
Citrus, Lemons, Nematodes, Oranges, Plant nematode resistance, Plant nematodes, Radopholus similis.

6291-69
CONTROL OF EELWORM DISEASES OF BANANAS IN WESTERN AUSTRALIA.
O M Goss M G Hawson
West Aust J Agr (SER 4)10(1):27
Jan 1969 23 W52J
Bananas, Chemical control (nematodes), Crop yields, Dibromo-3-chloropropane, 1,3-, Gall-making insects, Irrigation, Meloidogyne javanica, Plant nematodes, Soil fumigation.

6292-69
CUTICLE ULTRASTRUCTURE OF THE MELOIDOGYNE HAPLA LARVA.
I K A Ibrahim J P Hollis
Helminthol Soc Wash Proc 34(2):137-139
Jul 1967 436.9 H36
Cuticle, Larvae, Meloidogyne hapla, Morphology, Nematodes, Plant nematodes, Ultrastructure.

6293-69
CAN WE CONQUER THE 'MIGHTY' MITES .
L R Jeppson
Farm Chem 130(9):38-40, 118
Sep 1967 57.8 AM3
Acaricides, Agricultural outlook, Chemical control (insects), DDT, Mites, Predaceous insects, Research.

6294-69
A NEMATOLOGICAL STUDY OF SOME CULTIVATIONS ON THE SOUTH COAST OF SPAIN. (SP)
F Jimenez-Millan A G Barcina M A Delgado
Soc Espan Hist Natur Bol Secc Biol 65(1-2):83-106 MAP REF
30 Sep 1967 442.9 SO18
Fruit, Plant nematodes, Vegetables. English summary.

53 genera of free nematodes and 32 pytoparasitic nematodes were found. From these, they found new references in each cultivation independently a total of 41 genera, and new references for Spain a total of 81 genera.

6295-69
SURVIVAL OF ASCARID EGGS IN SOIL UNDER CONDITIONS OF MOSCOW REGION. (RUS)
I S Kizevalter V V Derevitskaya
Med P arazitol Parazitarn Bolezni 37(5,SEP/OCT):527-529
1968 448.8 M469
Ascaridia, Soil microorganisms, Temperature, Viability. English summary.

6296-69
SOIL NEMATODE FAUNA OCCURING IN THE JADWISIN FIELDS NEAR WARSAW AND THE EFFECT OF ENVIRONMENTAL CONDITIONS ON THEM.
J Kozlowska
Ekol Pol Ser A (SER A)15(21):443-485 REF
1967 512 W263

Animal ecology, Animal taxonomy, Barley, Nematodes, Soil microorganisms, Sugar beets. Polish summary.

6297-69

NEMATODES AND ROSES.

D H MacDonald K P Patel L H Fuchigami

Minn Sci 25(1,FALL):18-19

1968 100 M668

Helicotylenchus pseudorobustus, Plant nematodes, Plant protection, Rosa.

6298-69

COTTON AND PLANT PARASITIC NEMATODES.

J C Martin

Rhodesian Farmer 39(12):18-19

02 Aug 1968 24 R347

Chemical control (nematodes), Chlorinated hydrocarbons, Cotton, Dibromo-3-chloropropane, 1,2-, Ethylene dibromide, Fumigants, Fumigation, Meloidogyne incognita, Meloidogyne javanica, Nematocides, Nematode infestation, Parasitism, Plant nematodes.

6299-69

INJURY TO HETERODERA TABACUM BY HIGH SOIL TEMPERATURES.

P M Miller

Plant Dis Rep 53(3):191-193

Mar 1969 1.9 P69P

Heterodera tabacum, Larvae, Parasitism, Pest control, Plant nematodes, Pratylenchus penetrans, Soils, Temperature.

6300-69

RACES OF PRATYLENCHUS PENETRANS, AND THEIR EFFECT ON BLACK ROOT ROT RESISTANCE OF TOBACCO.

Th H A Olthof

Nematologica 14(4):482-488 REF

1968 436.8 N342

Black root rot (tobacco), Nematodes, Plant disease resistance, Pratylenchus, Tobacco.

6301-69

'MIRACLE' TREE IS IN TROUBLE.

E S Padre

Philippine Lumberman 14(6):14

Jun 1968 99.81 L9793

Anthocephalus cadamba, Forest conservation, Forest nurseries, Growth factors, Meloidogyne, Nematode infestation, Pest control, Plant nematodes, Plant physiology, Symptomatology.

6302-69

THE CONDITIONS FOR OCCURRENCE OF POTATO ROOT EELWORM (HETERODERA ROSTOCHIENSIS WOLL.) IN POLAND.

H Sander

Ekol Pol Ser A 15(29):7P MAP

1967 512 W263

Climate, Cysts, Ecology, Heterodera rostochiensis, Plant nematodes, Potatoes, Soil analysis, Temperature, Zoogeography. Polish summary.

6303-69

A NEMATODE SURVEY OF TOBACCO SOILS IN RHODESIA AND ZAMBIA, AND THE EFFECTS OF GRASS-TOBACCO ROTATIONS ON NEMATODE POPULATIONS.

J A Shepherd

Rhodesia, Zambia, Malawi J Agr Res 6(1):19-26 REF

1968 24 R3472

Crop rotation, Cultural control (plant diseases), Grasses, Meloidogyne, Nematode infestation, Parasitism, Plant nematodes, Pratylenchus, Rotylenchulus, Scutellonema, Tobacco.

6304-69

CATENARIA VERMICOLA ON NEMATODES IN INDIA.

K Singh

Cur Sci 36(17):468-469

05 Sep 1967 475 SC123

Catenaria, Fungi, Nematode controlling fungi, Nematodes.

Soil nematodes in India were found to be parasitized by Catenaria vermicola. The life cycle of the fungus on its host is described.

6305-69

TROPICAL NEMATOLOGY.

G C Smart V G Perry

University of Florida Press, Gainesville 153P,REF

1968 QL391.N 4T7

African oilpalm, Bananas, Cacao, Cassava, Chemical control (nematodes), Citrus, Coconuts, Coffee, Cotton, Decline, Fiber plants, Human diseases, Nematocides, Nematodiasis, Pineapples, Plant nematodes, Radopholus similis, Red ring, Rhadinaphelenchus cocophilus, Rice, Soil management, Sugarcane, Symposia, Tobacco, Vegetables, Yams.

Contents: Radopholus similis and other nematode species on banana, by E. J. Wehunt and D. I. Edwards; Burrowing nematode decline of citrus, a review, by E. P. DuCharme; Red-ring disease of the coconut palm, by D. W. Fenwick; Nematode problems of pineapple in Puerto Rico, by A. Ayala; Nematode problems of sugarcane in Puerto Rico, by J. Roman; Nematode problems of rice, by A. L. Taylor; Nematode problems of coffee, by E. Schieber; Nematological problems in the former French African tropical territories and Madagascar, by M. Luc; Relation of plant parasitic nematodes to soil management practices, by J. M. Good; Nematode problems of humans in the Tropics, by D. L. Price.

6306-69

ORANGEWORMS IN INTERIOR DISTRICTS OF SOUTHERN CALIFORNIA.

Sunkist Pest Contr Circ (376):2

Mar 1969 423.9 C12E

Archips argyrospilus, Argyrotaenia citrana, Chemical control (insects), Chlorinated hydrocarbons, Citrus, Insect pests, Organophosphorus compounds.

The chemicals Parathion, TDE(DDD), Phosdrin, Dibrom, Sevin, DDT, and Guthion are listed for control of orangeworms.

6307-69

CHEMICAL SOIL TREATMENT FOR NEMATODE CONTROL IN TOBACCO.

F A Todd

N C Univ Ext Leafl (236):13P

Mar 1969 275.29 N811L

Chemical control (nematodes), Dairy equipment, Methodology, Nematocides, Plant disease control, Pratylenchus, Root-knot nematode, Soil fumigation, Tobacco.

6308-69

DEVELOPMENTAL TENDENCIES IN PHYTONEMATOLOGY. (GE)

B Weischer

Berlin Biol Bundesanst Land-forstwirtsch Mitt (121):12-20 REF

Feb 1967 410.9 G31M

Crop rotation, Crop varieties, Nematode vectors, Plant nematodes, Virus diseases (plants). English abstract.

6309-69

GNOTOBIOTIC CULTURE AND ITS SIGNIFICANCE TO PLANT NEMATOLOGY.

B M Zuckerman

Helminthol Abs 38(1):1-15 REF

Mar 1969 436.8 J82A

Bibliography, Germ-free life, Plant nematodes, Reviews, Tissue culture.

WEEDS

6310-69

LAWN WEED CONTROL WITH HERBICIDES.

U S D A Home Gard Bull (123):24P

Dec 1968 1 AG84HG

Chemical control (weeds), Herbicides, Lawns, Spraying. Many herbicides were mentioned.

6311-69

ARE HERBICIDES DOING THEIR JOB .

Anonymous

Amer Veg Grower 17(1):22,38-40

Jan 1969 80 C733

Chemical control (weeds), Herbicides, Potatoes, Surveys, Weed control, Weeds. The following herbicides were evaluatd:d eptam, dinitros, premerge or sinox PE, lorox, dowpon, dacthal and avadex.

6312-69

PROCLAIMED NOXIOUS WEEDS IN VICTORIA.

Anonymous

Fruit World Market Grower 69(11):46

11 Nov 1968 80 F948

Chemical control (weeds), Cultural control (weeds), Poisonous plants, Proboscidea jussieui, Spraying, Weeds.

6313-69

PROCLAIMED NOXIOUS WEEDS.

Anonymous

J Agr 66(9):331-334

Sep 1968 23 V66J

Chemical control (weeds), Cultural control (weeds), D, 2,4-, Marrubium, Plant protection, Proboscidea jussieui, Safflower, Weeds, Xanthium orientale.

6314-69

WEED CONTROL TECHNIQUES AID TRIALS WITH HEDGE ROW PLANTING OF BLACKCURRANTS.

Anonymous

Commericla Grower (3826):699

02 May 1969 80 F941

Brassica, Chemical control (weeds), Currants, Herbicides, Planting, Strawberries.

6315-69

WEEDS THAT MAKE A COMEBACK.

Anonymous

Farm Quart 24(1,SPRING):104,105,112

1969 6 F22995

Atrazine, Chemical control (weeds), Corn, D, 2,4-, Herbicides, Spraying.

6316-69

TESTS PROVE DIPHENAMID EFFECTIVE AS HERBICIDE.

Anonymous

Tobacco (New York) 167(25):18

20 Dec 1968 286.89 T552

Chemical control (weeds), Diphenamid, Herbicides, Tobacco.

6317-69

HERBICIDE SELECTIVITY.

Anonymous

Agrichem West 11(11):5

Nov 1968 381 AG85

Absorption (biological), Chemical control (weeds), Herbicides, Phenoxy acid compounds, Plant metabolism, Plant physiology, Plant translocation. The herbicides discussed are 2,4-D, herbicidal oils, diuron, 2,4,5-T, simazine, and 2,4-DB.

6318-69

WEED CONTROL AND THE ECONOMICS OF DIRECT RESEEDING.

Anonymous

Beef Sheep Farming 6(2):19,21

Feb 1969 43.8 B392

Agricultural economics, Chemical control (weeds), Chlorinated hydrocarbons, Dalapon, Equipment, Herbicides, Seed planting, Weed control.

6319-69

PROGRESS IN WITCH WEED CON TROL SEEN AS PEST FAILS TO SPREAD.

Anonymous

Croplife 49-51

Feb 1969 381 C882

Agricultural research, Chemical control (weeds), D, 2,4a, Herbicides, Parasitism, Plant physiology, Regulation (pesticides), Seed germination, Seedlings, Striga asiatica, Weed control.

6320-69
WEED AND BRUSH CONTROL FOR DRAINAGE DITCHES.
Anonymous
Public Works 100(2):122-123
Feb 1969 290.8 M922
Ammonium sulfamate, Brush control, Chemical control (weeds), D, 2,4-, Drainage ditches, Spraying, T, 2,4,5-, Weed control.

6321-69
WEED CONTROL IN FIELD BRASSICA CROPS.
Anonymous
Weeds Tech Bull (257):4P
1968 79.9 W323
Brassica, Chemical control (weeds), Crop rotation, Crop yields, Dosage, Herbicide application, Herbicides, Plant physiology, Spraying equipment, Weather.

6322-69
WETTING AGENTS, OILS: ARE THEY A PLUS FOR ATRAZINE .
J Bandeen
Crops Soils 21(7,APR-MAY):14-15
1969 6 W55
Atrazine, Chemical control (weeds), Herbicide application, Herbicides, Mineral oil.

6323-69
PHOSPHORIC TRIAMIDE DERIVATIVES AS HERBICIDES. PATENT 3,433,623.
H O Bayer V H Unger
Us Patent Office Offic Gaz 860(3):865
18 Mar 1969 156.65 OF2
Chemical control (weeds), Herbicides, Phosphoric triamide derivatives.

6324-69
USE OF HERBICIDES IN COFFEE NURSERIES WITH FULL EXPOSURE TO SUN. (SP)
O Bellavita G A Morales
Agron Trop 17(2,APR-JUN):95-99
1967 26 AG87
Chemical control (weeds), Coffee, Dinocap, Gramoxone, Herbicides, Nurseries, Sodium N-methyldithiocarbamate, Thiocarbamates. English summary.

6325-69
WEEDS AND MAN.
R F Betz
Morton Arboretum Quart 4(2,SUMMER):26-32
1968 451 M84
Habitats, History, Nomenclature, Plant ecology, Plant geography, Weeds.

6326-69
RESULTS OF HERBICIDE TESTS CARRIED OUT IN 1966 BY THE VEGETABLE PROTECTION SERVICE. (FR)
H Bouron
Phytoma 19(190,JUL-AUG):15-19
1967 464.8 P563
Chemical control (weeds), Climbing plants, Fruit culture, Grain, Grapes, Herbicides, Ornamental plants, Trees, Vegetables.

6327-69
PROBLEMS OF HERBICIDE TREATMENTS IN THE POTATO CROP. (GE)
R Burghausen
Europe Potato J 11(1):3-13
Mar 1968 75.8 EU7
Chemical control (weeds), Crop yields, Herbicides, Potatoes, Soil structure, Tillage, Weeds. English and French summaries.

6328-69
COMPETITION BETWEEN BURROWEED AND ANNUAL AND PERENNIAL GRASSES FOR SOIL MOISTURE.
D R Cable
Amer Forage Grassland Council 1966 MEETING:11-27
01 Feb 1966 60.19 J66
Annual plants, Forage plants, Grasses, Growth factors, Perennial plants, Plant physiology, Plant water relations, Prosopis juliflora, Rainfall, Soil moisture.

6329-69
MICROSPOROGENESIS OF THE BIRD'S-FOOT TREFOIL (LOTUS C ORNICULATUS L.). (RUS)
M M Chubirko
Moskov Obshch Ispytalelei Prirody Byul Otd Biol 72(6):93-100 REF
1967 511 M85
Birdsfoot trefoil, Plant physiology, Pollen, Spores,. Weeds. English summary.

6330-69
1968 CRANBERRY WEED CONTROL CHART.
1P
1968 275.29 M381
Accident prevention, Chemical control (weeds), Cranberries, Herbicides.

6331-69
THE ROLE OF LIGHT, CONCENTRATION, AND SPECIES IN FOLIAR UPTAKE OF HERBICIDES IN WOODY PLANTS.
F S Davis R W Bovey M G Merkle
Forest Sci 14(2):164-169 REF
Jun 1968 99.8 F7632
Absorption (biological), Climbing plants, Herbicides, Leaves, Light, Picloram.

6332-69
PROPERTIES AND EFFECTS OF WL-9385-D ON RICE AND SOME WEED SPECIES.
D A Del Rosario M R Veba
Philippine Agr 51(5):412-437 REF
Oct 1967 25 P542
Chemical control (weeds), Photochemistry, Plant metabolism, Rice, Soil properties.

6333-69
WEED CONTROL IN CORN.
L A Derscheid R Parker
S Dak State Univ Ext Ext Mimeogr Circ (442):5P
Apr 1969 275.29 SO85FS
Atrazine, Chemical control (weeds), Chloro-N-isopropylacetanilide, 2-, Corn, Cultural control (weeds), Herbicide application, Herbicides, Linuron, Spraying, Tillage equipment.

6334-69
HALO-SUBSTITUTED PHENOXYETHYL CARBAMATES AND DERIVATIVES THEREOF. PATENT 3,439,021.
L W Fancher
Us Patent Office Offic Gaz 861(3):923
15 Apr 1969 156.65 OF2
Carbamates, Emergence, Halogens, Herbicides, Patents, Phenoxides.

6335-69
CONTROL OF THE GUANXUMAS ROXA E BRANCA IN PASTURE WITH HORMONE-LIKE HERBICIDES. (POR)
P Figueiredo L Leiderman
Biologico 33(2):27-30
Feb 1967 442.8 B529
Chemical control (weeds), Digitaria, Herbicides, Picloram, Silvex. English abstract.

6336-69
RESULTS FROM EXPERIMENTS WITH HERBICIDES FOR WEED CONTROL IN PEA GRAIN CROPS GROWN IN DOBROUDJA. (RUS)
D Fudulov P Petkova
Rastenievud Nauk 5(9):69-77 REF
1968 64.8 R18
Chemical control (weeds), D, 2,4-, Grain, Herbicides, Prometryne, Simazine, Weeds. Russian and english abstracts

6337-69
THE EFFECT OF THREE FUMIGANTS ON NATURAL WEED INFESTATION IN A TOBACCO SEED BED.
S K Gayed
Lighter 38(3,SUMMER):15-20
1968 286.89 C16
Chemical control (weeds), Fumigants, Plant physiology, Seedlings, Tobacco, Weeds.

Abstract: Fumigants used were carbon bisulphide, vorlex, vorlex 201, telone-PBC.

6338-69
REPEATED SPRAYING TO CONTROL SOUTHWEST OREGON BRUSH SPECIES.
H Gratkowski
US Forest Serv Res Pap PNW 59:6P
1968 A99.9 F7625UNI
Amitrole, Brush control, Chemical control (weeds), D, 2,4-, Dichlorprop, Spraying, T, 2,4,5-.

6339-69
APPLICATION OF HERBICIDES IN PULSE CROPS. (POL)
J Grzybczak Z Rynkal
Ochrona Roslin 11(4):12-16
1967 464.8 OC32
Atrazine, Chemical control (weeds), Dinoseb, Field crops, Herbicides, Legumes, Nitrated phenols, Pesticide application, Simazine.

6340-69
PREPLANTING APPLICATIONS OF PROMETRYNE IN COTTON.
K C Hamilton H F Arle R D Spilsbury
Arizona Agricultural Experiment Station, Tucson. SER.P-15:72-76
Feb 1969 S544.3.A6A7
Chemical control (weeds), Chlorinated hydrocarbons, Cotton, Crop yields, Diuron, Irrigation, Prometryne, Seedlings, Trifluralin.

6341-69
HERBICIDES FOR WEED CONTROL IN SWEET POTATOES.
T P Hernandez R J Constantin J R Barry B W Wascom
La Agr 12(3,SPRING):10-11
1969 100 L939
Amiben, Chemical control (weeds), Crop yields, Dimethyl 2,3,5,6-tetrachloroterephthalate, Diphenamid, Ethyl N,N-dipropylthiolcarbamate, Herbicides, Sweetpotatoes.

6342-69
TEN KEYS TO HERBICIDE EFFECTIVENESS.
R E Higgins
Crops Soils 21(6):10-11
Mar 1969 6 W55
Chemical control (weeds), D, 2,4-, Herbicide application, Herbicides, Methyl-4-chlorophenoxyacetic acid, 2-, Soil moisture, Weather.

6343-69
HERBICIDE VERSUS CULTIVATION FOR CORN WITH TWO METHODS OF SEEDBED PREPARATION.
T D Hinesly E L Knake R D Seif
Agron J 59(6,NOV-DEC):509-512 MAP
Dec 1967 4 AM34P
Atrazine, Corn, Cultural control (weeds), Herbicides, Seedbeds, Tillage, Weed control.

A split-plot experiment consisting of two methods of seedbed preparation for corn with three methods of weed control was conducted on the same areas of seven different soil types during 1962, 1963 and 1964. Conventional tillage (three diskings after plowing) was compared to reduced tillage (one disking after plowing) as a seedbed preparation variable. Weed control methods on subplots consisted of cultivation alone, atrazine alone, and atrazine plus cultivation.

6344-69
WEEDS.
D C Hogner
Thomas Y. Crowell Co., New York, N. Y. 118P

1968 SB611.H6
Aquatic weeds, Plant nutrition, Pollination, Seed germination, Weed control, Weeds.

6345-69
WEED CONTROL IN TURF - 1967.
H J Hopen J D Butler
Turfgrass Conf Proc 8:4-7
07 Dec 1967 SB433.I4
Annual plants, Broad-leaved weeds, Chemical control (weeds), Herbicides, Perennial plants, Turf. Many herbicides were tested.

6346-69
AFTER COTON IS UP, HERE ARE WAYS TO KEEP IT CLEAN.
D W Houston
Miss Farmer 17(5):12
May 1969 6 M6992
Chemical control (weeds), Cotton, Disodium methanearsonate, Herbicide application, Herbicides, Monosodium acid methanearsonate. Many herbicides with their application procedures are listed.

6347-69
GESATOP - ITS USES IN HORTICULTURAL CROPS.
Weeds Tech Bull (250):3P
1966 79.9 W323
Chemical control (weeds), Herbicide application, Herbicides, Simazine.

6348-69
SPRAYING PASTURES.
Weeds Tech Bull 239:4P
1966 79.9 W323
Aerial spraying, Chemical control (weeds), Grasses, Herbicides, Spraying equipment. Ten herbicides are discussed.

6349-69
CHEMICAL GROWTH INHIBITION IN TURF.
J A Jagschitz
N Y Turfgrass Assoc Bull (78):304
1967 60.19 N42
Chemical control (weeds), D, 2,4-, Dosage, Equipment, Herbicide application, Herbicides, Maleic hydrazide, Nozzles, Phenoxy acid compounds, Plant growth inhibitors, Spraying, Turf. Other herbicides used were Azak, Dacthal, Trifluralin, Tupersan, Bandane, Betasan and Zytron.

6350-69
RECENT ADVANCES IN PERENNIAL GRASS CONTROL IN AVOCADO ORCHARDS.
L S Jordan B E Dav R C Russell
Calif Avocado Soc Yearbook 52:117-119
1968 81 C128
Avocados, Chemical control (weeds), Disodium methanearsonate, Grasses, Herbicides, Monosodium acid methanearsonate, Monuron, Paraquat, Simazine.

6351-69
WEED PROBLEMS NOW AND IN THE PAST. (GE)
W Kabiersch
Prakt Schadlingsbekampfer 20(10):137
Oct 1968 421 P882
Chemical control (weeds), Crops, Cultural control (weeds), Herbicides, History, Plant regulators, Weeds.

6352-69
CHEMICAL WEED CONTROL IN TROPICAL ROOT CROPS.
L Kasasian
Trop Sci 44(2):143-150
Apr 1967 26 T756
Atrazine, Chemical control (weeds), Diuron, Herbicides, Paraquat, Prometryne, Root crops, TCA, Weed control.

6353-69
TEST WEED KILLERS YOURSELF.
E L Knake
Crops Soils 21(5):9-10
Feb 1969 6 W55
Chemical control (weeds), Herbicides, Weed control.

6354-69
THE ECONOMIC IMPORTANCE OF EARLY WEED CONTROL IN CEREALS. (GE)
R Kunz
Grune 96(9):290-296
01 Mar 1968 17 SCH9
Chemical control (weeds), Crop yields, Fertilizers, Grain, Herbicides, Plant physiology.

6355-69
SELECTIVE CONTROL OF HOARY ALYSSUM IN ALFALFA.
C A Kust
Weed Sci 17(1):99-101
Jan 1969 79.8 W41
Alfalfa, Atrazine, Berteroa incana, Butyl-5-bromo-6-methyluracil, 3-tert-, Carbohydrates, Chemical control (weeds), Crop yields, Herbicide application, Herbicides, Perennial plants, Photosynthesis, Simazine, Terbacil.

6356-69
HERBICIDAL N,N-DIALKENYL-3-CHLOROBENZAMIDES AND METHOD. PATENT 3,436,208.
A J Lemin
Us Patent Office Offic Gaz 861(1):201
01 Apr 1969 156.65 OF2
Chemical control (weeds), Dialkenyl-3-chlorobenzamide, N,N-, Herbicides, Methodology, Plant physiology, Seed germination, Seed treatment.

6357-69
CHEMICAL WEED CONTROL INFORMATION FOR NORTH CAROLINA, 1969.
W M Lewis A B Rogerson A D Worsham T W Waldrep W A Skroch
Nc Univ Ext Leafl 152:41P
Jan 1969 275.29 N811L
Chemical control (weeds), Herbicide application, Herbicides, Weeds. Many specific weeds and herbicides are discussed.

6358-69
WEED CONTROL IN CALIFORNIA VINEYARDS.
L A Lider O A Leonard
Agrichem West 11(12):10,12,14
Dec 1968 381 AG85
Chemical control (weeds), Cultural control (weeds), Diuron, Grape vineyards, Herbicides, Simazine, Soil sterilization, Tillage. Other less effective chemicals are discussed.

6359-69
PRECISION PLACEMENT OF HERBICIDES FOR WEED CONTROL IN SEEDLING ALFALFA.
D L Linscott R D Hagin
Weed Sci 17(1):46-47
Jan 1969 79.8 W41
Alfalfa, Chemical control (weeds), Ethyl N,N-dipropylthiolcarbamate, G-36393, Herbicides, Seedlings, Simazine, Triazine.

6360-69
ARSENIC AND LOW PHOSPHATE SOILS.
C W Lobenstein
Turfgrass Conf Proc 6:47-51
1965 SB433.I4
Arsenic, Chemical control (weeds), Herbicides, Phosphates, Poa annua.

6361-69
NAGAL THAKARAN NO LONGER WORRIES ABOUT WEEDS.
V S Mani S L Choudhry N Singh
Indian Farming 16(12):17-18,21
Mar 1967 22 IN283
Chemical control (weeds), Crop yields, D, 2,4-, Weed control, Wheat.

Control of weeds in wheat crops with 2,4-D in India is discussed.

6362-69
STUBBLE BURNING HELPS CONTROL WIMMERA RYE GRASS.
Mg Mason W J Toms J W Gartrell
West Aust J Agr 9(12):582-583
Dec 1968 23 W52J
Crop rotation, Cultural control (weeds), Lolium subulatum, Nitrogen, Stubble.

6363-69
HERBICIDAL CONTROL OF WESTERN IRONWEED.
M K McCarty C J Scifres
Weed Sci 17(1):77-79
Jan 1969 79.8 W41
Chemical control (weeds), D, 2,4-, Dicamba, Dosage, Herbicides, Picloram, Plant physiology, Vernonia.

6364-69
EFFECTS OF METHODS OF PLACEMENT ON PERFORMANCE OF TRIFLURALIN, CDEC, AND DCPA APPLIED TO SOIL.
R M Menges J L Hubbard
Rio Grande Val Hort Soc J 22:64-70 REF
1968 81 L95
Amaranthus retroflexus, Chemical control (weeds), Chloroallyl diethyldithiocarbamate, 2-, Dimethyl 2,3,5,6-tetrachloroterephthalate, Echinochloa crusgalli, Herbicides, Irrigation, Pesticide application, Soil sanitation, Trifluralin.

6365-69
CULTURAL AND CHEMICAL WEED CONTROL IN FIELD CROPS, 1969.
G R Miller R Behrens
Minn Univ Agr Ext Serv Ext Folder (212):27P
1969 275.29 M66EX
Chemical control (weeds), Cultural control (weeds), Field crops, Herbicides, Pesticide application, Spraying.

6366-69
WEED CONTROL IN FIELD CROPS, 1969.
J F Miller
Ga Univ Coll Agr Ext Serv Circ (408):7P
Mar 1969 275.29 G29C
Accident prevention, Chemical control (weeds), Field crops, Herbicides, Spraying. Many herbicides were mentioned.

6367-69
EXPERIMENTS ON THE USE OF NEW CHEMICALS IN WEED CONTROL IN MAIZE. (SE)
L Mladenovic
Agrohemija (3/4):145-150
1968 385 AG87
Chemical control (weeds), Corn, Herbicides, Testing, Weeds.

11 new herbicides and combinations of herbicides were tested.

6368-69
MATRICARIA AND LAMBSQUARTER CONTROL IN BRASSICAS WITH ANALOGS OF PROPACHLOR.
J Mukula W A Gentner
Weed Sci 17(1):124-125
Jan 1969 79.8 W41
Chemical control (weeds), Chenopodium album, Chloro-N-isopropylacetanilide, 2-, Herbicides, Kale, Matricaria inodora, Nutrient solutions (plants), Rape, Rutabagas, Sugar beets, Turnips.

6369-69
THE USE OF HERBICIDES FOR SITE PREPARATION AND THEIR EFFECTS ON TREE SURVIVAL.
J E Munoz L W Hill
Us Forest Serv Res Note ITF (12):6P
May 1967 A99.9 F7637N
Chemical control (weeds), Dosage, Foliar application, Herbicides, Picloram, Swietenia. Spanish summary.

6370-69
BROADLEAF WEED CONTROL IN RICE.

R P Nester
Rice J 72(3):8,10,12-14,31-32
Mar 1969 59.8 R36
Chemical control (weeds), Crop yields, D, 2,4-, Dicotyledons, Herbicides, Nitrogen, Pesticide application, Phenoxy acid compounds, Propanil, Rice, Silvex, Spraying, T, 2,4,5-, Weed control.

6371-69
WEED CONTROL IN NURSERY SOD.
R Newman
Turfgrass Conf Proc 8:13-15
07 Dec 1967 SB433.14
Chemical control (weeds), Cultural control (weeds), D, 2,4-, Dicamba, Fertility, Grasses, Herbicides, Nurseries, Phenoxy acid compounds, Seed germination, Tillage.

6372-69
INFLUENCE OF CERTAIN INSECTICIDES APPLIED FOR THE CONTROL OF OSTRINIA NUBILALIS HBN. ON THE WEEDS OF TREATED SURFACES. (SE)
G Pivar
Zastita Bilja 18(93/95):213-219
1967 464.8 Z1
Aerial spraying, Chemical control (insects), Chemical control (weeds), DDT, Herbicides, Insecticides, Ostrinia nubilalis, Weeds. French summary.

6373-69
THE EFFECT OF SOME HERBICIDES ON THE NITRIFICATION IN SOILS. (BU)
V Rankov
Pochvozn Agrokhim 3(1):81-90 REF
1968 S590.P6
Chemical control (weeds), Herbicides, Nitrification, Soil series. English and Russian summaries.

6374-69
CHEMICAL WEED CONTROL IN GROUNDNUTS.
P V M Richards
1967 MEETING:40-41
Jul 1967 S573.R45
Chemical control (weeds), Herbicides, Peanuts, Weed control. In Rhodesia National Farmers' Union. Diversification guide from the RNFU Crops Conference.

6375-69
METHOD FOR DESTROYING UNDESIRABLE PLANT LIFE. PATENT 3,450,520.
S B Richter
Us Patent Office Offic Gaz 863(3):854
17 Jun 1969 156.65 OF2
Herbicides, Organophosphorus compounds, Patents.

6376-69
EDITORIAL: THE PROBLEM OF HERBICIDES. (FR)
M Rochaix
Agr Romande (SER A)7(6):69
Jun 1968 17 AG8
Accident prevention, Chemical control (weeds), Climate, Herbicides.

6377-69
MORPHOLOGICAL TRANSFORMATIONS AND LYSIS OF HALOBACTERIUM SALINARIUM BY 4-(2,4-DICHLOROPHENOXY)BUTYRIC ACID AND RELATED COMPOUNDS.
M Rodriguez-Rebollo C G Vazquez
Can J Microbiol 15(3):309-312 REF
Mar 1969 448.8 C162
Bactericides, Biochemistry, Butyric acid, Catechol, Culture media, Degradation, Dichlorophenoxy) butyric acid, 4-(2,4-, Halobacterium salinarium, Herbicides, Hydroquinone, Lysis, Microorganisms, Phenol compounds.

6378-69
POSTEMERGENCE WEED CONTROL IN SOYBEANS.
R L Rogers L W Sloane L L McCormick
La Agr 12(3,SPRING):4-5
1969 100 L939
Chemical control (weeds), Chloroxuron, Dinoseb, Herbicides, Linuron, Oils, Soybeans, Surface-active agents.

6379-69
WATER HYACINTH: NOXIOUS WEED THAT MUST BE CHECKED.
A Rostron
New Zeal J Agr 117(6):51
Dec 1968 23 N48J
Eichhornia, Plant morphology, Poisonous plants, Weed control.

The ecology and need for control of the water hyacinth, Eichhornia, is discussed in relation to the irrigational and navigational problems it presents. Eichornia is also described for easy identification.

6380-69
PRECISION METHODS FOR BETTER WEED CONTROL.
J H Scott
Doanes Agr Rep 32(5):26B-26C,26F
08 Feb 1969 281.8 D652
Chemical control (weeds), Cultural control (weeds), Dairy equipment, Herbicide application, Herbicides. Many herbicides are discussed.

6381-69
WEEDS IN BARLEY AND THEIR CONTROL.
W C Shaw
U S D A Agr Handb (338):39-42
Mar 1968 1 AG84AH
Avena fatua, Barley, Chemical control (weeds), Cultural control (weeds), Herbicides, Legumes, Nitrated phenols, Phenoxy acid compounds, Thiocarbamates.

Many weeds of barley are listed, and the herbicides: 284-D, MCPA, silvex, 284-DB, dicamba, DNBP, diallate and barban are discussed.

6382-69
WEED CONTROL IN TURF.
F W Slife J D Butler
Turfgrass Conf Proc 6:10-12
1965 SB433.14
Chemical control (weeds), Grasses, Herbicides, Turf, Weed control. Many herbicides were tested.

6383-69
PRE-EMERGENCE WEED CONTROL IN THE NURSERY.
E M Smith
Ohio Agr Res Develop Center Res Sum 31:25-26
Sep 1968 100 OH3RS
Chemical control (weeds), Dichlobenil, Diphenamid, Herbicides, Norea, Nurseries, Preemergence, Simazine, Trifluralin, Weed control.

6384-69
ALLIGATORWEED FOUND IN ARKANSAS.
R J Smith C H Clement
Rice J 72(2):25-26
Feb 1969 59.8 R36
Alternanthera philoxeroides, Aquatic weeds, Chemical control (weeds), Cultural control (weeds), D, 2,4-, Herbicides, Irrigation ditches, Phenoxy acid compounds, Rice, Silvex, T, 2,4,5-, Weed control.

6385-69
1967 GUIDE TO CHEMICAL WEED CONTROL.
C M Snitzer et. al.
Ontario Dep Agr Publ (75):79P
Jan 1967 7 ON8P
Accident prevention, Aquatic plants, Chemical control (weeds), Dairy equipment, Field crops, Fruit culture, Herbicides, Horticulture, Vegetables.

6386-69
CONTROL OF UNDESIRABLE VEGETATION. PATENT 3,436,207.
E J Soboczenski
Us Patent Office Offic Gaz 861(1):201
01 Apr 1969 156.65 OF2
Butyl-5,6-dihydro-7-methyl-5-cyclopenta(D)pyrimidine- c, Cyclohexyl-5,6-dihydro-7-methyl-5-cyclopenta(D)pyrimidine- h, Weeds.

6387-69
CONTROLLING WEEDS IN TURF.
E W Stroube
Ohio Agr Res Develop Center Res Sum 31:3-9 MAP
Sep 1968 100 OH3RS
Chemical control (weeds), D, 2,4-, Dicamba, Endothal, Formulations, Grasses, Herbicides, Pesticide application, Phenoxy acid compounds, Silvex, Turf.

6388-69
HERBICIDES IN COTTON AND THEIR COMPATIBILITY WITH SOIL-APPLIED INSECTICIDES.
D J Swain J G Campion
Empire Cotton Growing Rev 46(2):83-92 REF
Apr 1969 72.8 EM7
Chemical control (insects), Chemical control (weeds), Cotton, Disulfoton, Herbicides, Insecticides, Phorate, Prometryne, Soil sanitation, Trifluralin.

6389-69
INFLUENCE OF AGROTECHNICAL AND CHEMICAL TREATMENTS ON THE CHANGEABLENESS OF FIELD PLANT ASSOCIATIONS. (POL)
B Swietochowski
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 28:3-17
1967 64.9 IN7
Chemicals, Corn, Crop rotation, Echinochloa crusgalli, Field crops, Galinsoga parviflora, Herbicides, Tillage, Weed control. English and Russian summaries.

6390-69
BRUSH RESEARCH IN TEXAS, 1968.
Tex Agr Exp Sta Consolidated Progr Rep 2583-2609:79P MAP REF
Oct 1968 100 T31P
Agricultural research, Brush control, Chemical control (weeds), Cultural control (weeds), Herbicide application, Herbicides. Many herbicides were used.

6391-69
METHODS OF CHEMICAL WEED CONTROL.
H B Thornbill
Amer Nurseryman J 129(8):56-58
15 Apr 1969 80 AM371
Chemical control (weeds), Herbicide application, Herbicides, Nurseries. Many herbicides were tested.

6392-69
STUDY OF CERTAIN HERBICIDES AGAINST WEEDS IN GARDEN PEAS. (BU)
B Velev
Horticult Viticult Sci 5(3):77-85 REF
1968 87 G75
Chemical control (weeds), Dinoseb, Herbicides, Nitrated phenols, Peas, Plant protection, Prometryne, Weed control. English and Russian summaries.

6393-69
CHEMICAL WEED CONTROL IN HIGH YIELDING RICE VARIETIES.
J K Verma V S Mani
Indian Farming 17(3):30-31
Jun 1967 22 IN283
Chemical control (weeds), Crop varieties, Fertilizer application, Methyl-4-chlorophenoxyacetic acid, 2-, Propanil, Rice.

6394-69
REDUCTION IN OR ELIMINATION OF CULTURAL PRACTICES IN POTATO CULTURES FOLLOWING THE APPLICATION OF HERBICIDES. (FR)
A Vez
Agr Romande (SER A)7(6):69-74

Jun 1968 17 AG8

Crop varieties, Crop yields, Cultural control (weeds), Harvesting date, Herbicide application, Potatoes, Testing, Tillage.

6395-69

BURNING WEEDS IN DRAINAGE DITCHES TO SUPPRESS POPULATIONS OF GREEN PEACH APHIDS AND INCIDENCE OF BEET WESTERN YELLOWS DISEASE IN SUGARBEETS.

R L Wallis J E Turner

J Econ Entomol 62(2):307-309

15 Apr 1969 421 J822

Cultural control (weeds), Drainage ditches, Economics, Insect population control, Insect vectors, Myzus persicae, Plant disease control, Sugar beets, Virus diseases (plants), Western yellows.

6396-69

CHEMICAL WEED CONTROL IN SWEET POTATOES.

B W Wascom T P Hernandez J Montelaro

La State Univ Ext Ext Pub (1556):8P-FOLDER

Feb 1969 275.29 L93EP

Amiben, Chemical control (weeds), Chlorinated hydrocarbons, D, 2,4-, Dacthal, Diphenamid, Ethyl N,N-dipropylthiocarbamate, Herbicides, Phenoxy acid compounds, Spraying equipment, Sweetpotatoes.

6397-69

HERBICIDAL TREATMENT EFFECT ON CARBOHYDRATE LEVELS OF ALLIGATORWEED.

L W Weldon R D Blackburn

Weed Sci 17(1):66-69 REF

Jun 1969 79.8 W41

Alternanthera philoxeroides, Aquatic weeds, Carbohydrates, Chemical control (weeds), D, 2,4-, Dosage, Herbicides, Pesticide application, Silvex.

6398-69

COMMON AQUATIC WEEDS.

L W Weldon R D Blackburn D S Harrison

U S D A Agr Handb 352:43P REF

Jan 1969 1 AG84AH

Aquatic weeds, Plant taxonomy, Water, Weed control.

Plants classified in 5 groups: Free-floating plants, aquatic grasses, emersed plants, submersed plants, and algae.

6399-69

EXPERIMENTAL HUSBANDRY FARM EXPERIENCE WITH HERBICIDES AND TILLAGE SYSTEMS FOR CEREAL GROWING.

J E Whybrew

Great Brit NAAS (nat Agr Adv Serv) Quart Rev (80,SUMMER):154-160

1968 241 G796

Chemical control (weeds), Cultural control (weeds), Economics, Grain, Herbicides, Paraquat, Tillage, Weed control.

6400-69

CHEMICAL WEED CONTROL IN PEANUT CROPS AT KATHERINE, NORTHERN TERRITORY.

I M W Wood

Australian J Exp Agr Anim Husb 8(35):762-766

Dec 1968 23 AU792

Chemical control (weeds), Herbicides, Peanuts, Pigweed. Many herbicides were tested.

6401-69

STUDIES ON THE WEED CONTROL IN THE PADDY FIELD. I. ON THE HERBICIDAL WEED CONTROL IN WET AND DRY NURSERIES. II. ON THE HERBICIDAL WEED CONTROL AT THE EARLY STAGE OF RICE PLANTS IN THE PADDY FIELD. TRANSL. 16734.

S Yamasaki S Takahashi S Takeda

43P

Chemical control (weeds), Crop varieties, Herbicides, Nurseries, Rice, Seedlings. Translation from Technical Bulletin, Miyagi Agricultural Experiment Station. (32), March, 1963. translated by Saburo Katayama.

Many herbicides were tested.

OTHER PESTS

6402-69

RODENT PESTS AND THEIR CONTROL. (GE)

F Christlieb

Prakt Schadlingsbekampfer 20(2):17-21

Feb 1968 421 P882

Biological control (pests), History, Rodent control, Rodenticides, Rodents.

6403-69

PRACTICAL ORGANIZATION OF FIELD MICE CONTROL. (FR)

J Dixmeras

Phytoma 19(191,SEP-OCT):38-42

1967 464.8 P563

Agricultural economics, Baits, Field mice, Organizations, Rodent control, Rodenticides, Rodents.

6404-69

DESIGN AND ANALYSIS OF FOREST-MAMMAL REPELLENT TESTS.

W E Dodge C M Loveless N B Kverno

Forest Sci 13(3):333-336

Sep 1967 99.8 F7632

Mammals, Pseudotsuga menziesii, Repellency tests, Statistical analysis.

6405-69

THE BIOLOGY AND CONTROL OF THE RICE FIELD MOLE RAT OF CEYLON, GONOMYS CRACILIS (NEHRING).

H E Fernando N Kawamoto N Perera

Int Rice Comm News Lett 16(2):35-38

Jun 1967 59.9 IN83N

Biology, Fumigation, Pest control, Plant protection, Rice, Rodents.

6406-69

DO SMALL MAMMALS AND BIRDS AFFECT REPRODUCTION OF SPRUCE AND FIR .

A C Hart H G Abbott E R Ladd

Us Forest Serv Res Pap Ne 110:8P

1968 A99.9 F7622UN

Abies, Birds, Food, Mammals, Picea, Plant reproduction, Seeds.

6407-69

A LABORATORY METHOD FOR ASSESSING THE TOXICITY OF STOMACH POISONS TO SLUGS.

I F Henderson

Ann Appl Biol 63(1):167-171

Feb 1969 442.8 AN72

Copper sulfate, Dosage, Metaldehyde, Molluscacides, Poisoning, Slugs, Sodium pentachlorophenate, Stomach.

6408-69

EFFECT OF RANGE TREATMENT WITH 2,4-D ON RODENT POPULATION.

D R Johnson R M Hansen

J Wildlife Manage 33(1):125-132

Jan 1969 410 J827

D, 2,4-, Field mice, Herbicides, Methodology, Phenoxy acid compounds, Population, Range management, Rodents.

6409-69

ALL MUST PULL THEIR WEIGHT IN PEST CONTROL.

C R M Jones

New Zeal J Agr 114(6):61

Jun 1967 23 N48J

Dogs, Pest control, Rabbits.

Pest control in New Zealand is the primary concern of the Rabbit Destruction Council. Farmers are asked to help by using such methods as shooting, trapping, snaring, gassing and dog packs.

6410-69

THE MUSKRAT IN LOIRE-ATLANTIQUE. (FR)

N Mahieu

Phytoma 19(190,JUL-AUG):34-36

1967 464.8 P563

Crop losses, Muskrats, Plant injuries, Rodent control, Traps, Zoogeography.

6411-69

NEW CONTRIBUTIONS TO THE SUBJECT 'BIRDS AND AGRICULTURE'. (FR)

H Sirlez

Phytoma 19(193):20-25

Dec 1967 464.8 P563

Birds, DDT, Fruit, Herbicides, Pesticides, Pigeons, Plant injuries, Plant protection, Population, Sparrows. The book, The protection of crops against birds, published by ACTA is reviewed in the first section of this article.

6412-69

A NEW METHOD OF RAT CONTROL IN COCONUTS.

R W Smith

Trop Sci 44(4):315-324 REF

Oct 1967 26 T756

Baits, Coconuts, Pest control, Rats, Surveys.

6413-69

SNAILS AND SLUGS IN CENTRAL CALIFORNIA.

Sunkist Pest Contr Circ (373):1-2

Dec 1968 423.9 C12E

Arsenic compounds, Azinphosmethyl, Baits, Chemical control (pests), Citrus, Infestation, Metaldehyde, Pesticides, Plant injuries, Slugs, Snails.

LIVESTOCK PROTECTION

6414-69

ON THE PERMANENT BEDDING OF CHICKEN. SOME TECHNICAL AND HYGIENIC-SANITARY QUESTIONS. (IT)

M Alcandri

Zooprofilassi 23(6/7,JUN-JUL):295-314

1968 41.8 Z72

Absorption, Ammonia, Animal nutrition, Bedding (livestock), Chicken types (meat), Chickens, Humidity, Hygiene, Microorganisms, Nitrogen, Sanitation.

6415-69

EFFECTS OF DIMETRIDAZOLE AND ANTIBIOTICS ON GROWTH AND REPRODUCTION IN TURKEYS.

S L Balloun D L Miller L G Arends G M Speers

Poultry Sci 48(1):171-176

Jan 1969 47.8 AM33P

Animal physiology, Dimetridazole, Drug therapy, Feed additives, Penicillin, Reproduction, Streptomycin, Turkeys, Zinc bacitracin.

6416-69

THE BACTERIAL POPULATION OF AN INDOOR POULTRY LAGOON.

L J Cabes A R Colmer H T Barr B A Tower

Poultry Sci 48(1):54-63 REF

Jan 1969 47.8 AM33P

Bacteria, Microbiology, Poultry manure.

6417-69

SANITARY LEGISLATION IN FRANCE CONCERNING ANIMAL SALMONELLOSIS. (FR)

H Chapoutier

Lyon Ecole Nat Vet These (14):128P

1967 41.2 L99

Agricultural legislation, Food inspection, Legislation, Livestock diseases, Poultry diseases, Public health, Salmonellosis.

6418-69

THE EFFECTS OF DDT ON A BREEDING POPULATION OF THE RUFOUSSIDED TOWHEE (PIPILO E. ERYTHROPHTHALMUS LINNAEUS).

F W Davis

Diss Abstr Sect B 29(1):410B

Jul 1968 Z5055.U49D53

Biochemistry, Birds, Breeding, DDT, Feeding, Insecticide residues, Lipids, Population.

6419-69
THE STORY BEHIND THE LABEL.
D Dick
Western Livestock 47(10):20-21,58,61-62,64-66,
Jan 1969 6 F2278
Agricultural research, Animal husbandry, Animal nutrition, Drugs, Labeling.

6420-69
GROWTH, FEED EFFICIENCY AND GROSS CHEMICAL COMPOSITION IN MARKET-WEIGHT PIGS AS INFLUENCED BY A COMBINATION OF SYNTHETIC SEX HORMONES AND TYLOSIN.
H Doornenbal R Frankham
Can J Anim Sci 49(1):77-83 REF
Apr 1969 41.8 C163
Animal nutrition, Animal physiology, Feed additives, Sex hormones, Swine, Tylosin.

6421-69
ACHIEVEMENTS OF SOVIET VETERINARY HELMINTHOLOGY. (BU)
V S Ershov
Vet Med Nauk 5(5):3-10
1968 41.8 V6468
Helminthology, Veterinary medicine.

6422-69
ZOOTECHNICAL INITIATIVES CARRIED OUT DURING 1966. (IT)
R Fabbri
Agr Ferrarese 71(1):18-22
31 Jan 1967 16 AG87
Animal genetics, Cattle records, Costs, Dairy cattle, Livestock, Poultry industry, Swine.

6423-69
SHELL PRODUCTS FOR ANIMAL HEALTH.
I D Farquharson
Spain; Shell Pub Health Agr News 11(1):18-22 REF
1968 464.8 SP2
Anthelmintics, Arthropoda, Cattle, Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate, 2-, Dichlorvos, Dieldrin, Dogs, Horses, Insecticides, Livestock diseases, Methylbenzyl 3-hydroxy-cis-crotonate dimethyl phosphate, alp n, Poultry, Sheep, Swine.

6424-69
EFFECT OF SOME PESTICIDES ON THE ADRENAL GLANDS IN THE RAT.
T S Foster
Can J Biochem 46(9):1115-1120 REF
Sep 1968 470 C16E
Adrenal glands, Biochemistry, Dieldrin, DDT, Dosage, Enzymes, Malathion, Pesticides, Rats, Steroids, TDE.

6425-69
ON THE BACTERIAL EFFECT OF IONIZING IRRADIATION ON CERTAIN MICROORGANISMS. SECOND COMMUNICATION. A STUDY OF THE BACTERICIDAL EFFECT OF GAMMA RAYS ON CERTAIN BACTERIA AND THE SPORES OF BAC. ANTHRACIS. (BU)
I Genov V Fyodorov D Dimitrov N Antonov
Vet Med Nauk 5(7):41-48 REF
1968 41.8 V6468
Bacillus anthracis, Bacteriology, Dosage, Erysipelothrix insidiosa, Gamma rays, Immunity, Irradiation, Mycobacterium tuberculosis, Proteinases. English and Russian summaries.

6426-69
EXPERIMENTS WITH FATTENING PIGS ON PASTURE. (FR)
J Gilibert P Capitaine H Serres
Rev Elevage Med Vet Pays Trop (N s)21(2):219-225
1968 41.8 R3262
Animal nutrition, Diet, Fattening, Grazing, Pastures, Rainfall, Swine. English and Spanish summaries.

6427-69
A STUDY OF NATURAL PASTURES IN MADAGASCAR. PRODUCTIVITY AND PRATICAL APPLICATIONS. (0FR)
P Granier J Lahore P Dubois
Rev Elevage Med Vet Pays Trop (N s)21(2):203-218 MAP REF
1968 41.8 R3262
Agriculture, Cattle, Climate, Ecology, Hay, Malagasy Republic, Pastures. English and Spanish summaries.

6428-69
VETERINARY TREATMENT OF FARM ANIMALS IN THE CASE OF EXTERNAL RADIOACTIVE CONTAMINATION. FIRST COMMUNICATION. VETERINARY TREATMENT OF SHEEP AND PIGS EXTERNALLY CONTAMINATED WITH PHOSPHORUS32 AND STRONTIUM89. (BU)
N Gromkov
Vet Med Nauk 5(7):35-40
1968 41.8 V6468
Phosphorus isotopes, Radioactive contamination, Sheep, Strontium isotopes, Swine, Veterinary medicine. English and Russian summaries.

6429-69
MAINTAINING HIGH-QUALITY VETERINARY BIOLOGICS.
J M Heil
Western Livestock 47(10):22,24
Jan 1969 6 F2278
Labeling, Laboratory animals, Serum, Vaccines, Veterinary medicine.

6430-69
SEX-LINKED DWARFISM AND EGG PRODUCTION OF BROILER DAMS.
R G Jaap M Mohammadian
Poultry Sci 48(1):344-346
Jan 1969 47.8 AM33P
Animal genetics, Chickens, Egg production.

6431-69
RELATION BETWEEN DDT IN DIETS OF LAYING BIRDS AND VIABILITY OF THEIR EGGS.
F J S Jones D D B Summers
Nature 217(5134):1162
23 Mar 1968 472 N21
Biochemistry, Birds, Diet, DDT, Eggs, Feed, Insecticides, Metabolites, Poisoning, Toxins.

6432-69
ABSORPTION AND DISTRIBUTION OF ETHYLENEDIAMINETETRAACETIC ACID (EDTA) INGESTED BY THE CHICK.
R D Kealy D E Greene P W Waldroup E L Stephenson
Poultry Sci 48(1):94-99 REF
Jan 1969 47.8 AM33P
Absorption, Animal physiology, Chicks, Ethylenediaminetetraacetic acid, Excretion.

6433-69
IMPROVING EGG QUALITY IN POULTRY BY ORALLY ADMINISTERING ANDROGENS. PATENT 3,438,783.
L J Machlin
Us Patent Office Offic Gaz 861(3):881
15 Apr 1969 156.65 OF2
Androgens, Animal nutrition, Diet, Eggs, Hormones, Patents, Poultry products, Steroids.

6434-69
ARTIFICIAL INSEMINATION OF LIVESTOCK IN THE SOUTH PACIFIC.
I C A Martin
S Pacific Comm Tech Pap (155):8P MAP
Jul 1967 280.9 SO823T
Animal breeding, Artificial insemination, Livestock, Methodology.

6435-69
ON THE AGRICULTURAL IMPORTANCE OF THE ROOK (CORVUS FRUGILEGUS L.). (RUS)
V I Osmolovskaya
Moskov Obshch Ispytalelei Prirody Byul Otd Biol 72(6):37-41 MAP REF
1967 511 M85
Beneficial birds, Natural control (insects), Sugar beets, Zoogeography. English summary.

6436-69
LONG DISTANCE DISPERSAL OF SEEDS BY RETENTION IN DIGESTIVE TRACT OF BIRDS.
V W Proctor
Science 160(3825):321-322 REF
19 Apr 1968 470 SCI2
Birds, Digestion, Research, Seed dissemination, Tables (data), Time, Zoogeography.

6437-69
PARASITES OF MAN AND DOMESTIC ANIMALS IN VIETNAM, THAILAND, LAOS, AND CAMBODIA. HOST LIST AND BIBLIOGRAPHY.
D B Segal J M Humphrey S J Edwards M D Kirby
Exp Parasitol 23(3):412-464 REF
Dec 1968 436.8 EX7
Bibliography, Livestock, Parasites, Surveys, Zoogeography.

6438-69
VETERINARY SCIENCE.
S R M Sharma
Rev Agr Res Punjab 3(PT 5):1-55 REF
1965 S280.P8K3
Animal physiology, Etiology, Hematology, Livestock diseases, Parasitism, Pharmacology, Reviews, Veterinary medicine.

6439-69
ON THE EFFECT OF SEVIN ON SEXUAL FUNCTIONS OF WARM-BLOODED ANIMALS. (RUS)
S A Shilova A A Smirnov V A Ognev L D Voronova
Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):604-609
1968 448.8 M469
Carbamates, Carbaryl, Chemical control (insects), Field mice, Insecticides, Ixodides, Reproduction, Rodents, Wildlife diseases. English summary.

6440-69
ISOTOPES IN AGRICULTURE.
Sojuzchimexport, Moscow, USSR 28P
1968 S589.5.S6
Animal husbandry, Crops, Ionization, Isotopes, Mechanization, Poultry, Radiation, Radioisotopes.

The author lists radioactive and stable isotopes and isotope-labelled compounds used in agricultural investigations.

6441-69
TURKEY MANAGEMENT GUIDE.
T W Sullivan E W Gleaves T E Hartung
Nebr Univ Ext Ec (1423):40P
Aug 1968 275.29 N272EX
Animal husbandry, Dairy equipment, Farm buildings, Farm management, Poultry diseases, Turkeys, Ventilation.

6442-69
ANIMAL SCIENCE.
D Sundaresan U D Sharma
Rev Agr Res Punjab 3(PT 6):1-34 REF
1965 S280.P8K3
Animal husbandry, Dairy industry, Goats, Research, Sheep, Wool.

6443-69
CONTROL OF SPARROWS ON POULTRY FARMS.
M E Sutton
New Zeal J Agr 118(4):22-23
Apr 1969 23 N48J
Animal vectors, Bird pests, Economics, Pest control, Poultry farm management, Sparrows.

Sparrows have become significant pests on poultry farms as parasite and disease vectors, sanitation spoilers and food wasters. Their economic importance is discussed. Detailed instructions for construction and use of a sparrow-trapping apparatus are given.

6444-69
EXCRETION OF RADIOACTIVE MESTRANOL IN THE MILK OF ANIMALS.
M Talaat Abdel-Aziz G Bialy W B Keith K I H Williams
Int J Fertility 14(1,JAN-MAR):39-47 REF
1969 442.8 IN83
Excretion, Lactation, Milk analysis, Radioactive substances, Rats, Sheep, Swine.

6445-69
PRODUCTION OF CELLULASE, ANTIBIOTIC AND ANTI-TUMOR SUBSTANCES BY GROWING EUMYCES ATCC 16425 PATENT 3,438,864.
M D Tendler
Us Patent Office Offic Gaz 861(3):897
15 Apr 1969 156.65 OF2
Antibiotics, Carbon, Cellulase, Drugs, Enzymes, Molds, Nitrogen, Patents.

6446-69
S.N.F. CONTENT OF MILK.
J P Walsh
Irish Agr Creamery Rev 21(415):9-14
Jul 1968 44.8 C866
Aging, Biochemistry, Cattle, Dairy cattle, Environment, Genetics, Lactose, Livestock diseases, Mastitis, Milk, Milk analysis, Milk fat, Physiology, Proteins, Quantitative analysis, Tables (data), Udders. S.N.F. refers to milk solids that are not fats.

6447-69
CURVULARIN-CONTAINING ANIMAL FEED FOR PROMOTING GROWTH AND INCREASING FEED EFFICIENCY. PATENT 3,436,223.
H L Wehrmeister
Us Patent Office Offic Gaz 861(1):204
01 Apr 1969 156.65 OF2
Animal physiology, Animals, Curvularin, Feed, Food additives, Meat.

6448-69
REVIEW OF THE MOST IMPORTANT CAUSES OF DEATH AND DISEASE OF DOGS OVER A PERIOD OF 15 YEARS. (GE)
I Weisse
Giessen Justus Liebig Univ Veterinarmed Fak (inaug-diss) (47):91P REF
1967 41.2 G3642
Animal diseases, Autopsies, Death, Dogs, Veterinary medicine.

Reviews autopsy reports on 5116 dogs between 1951 and 1965.

6449-69
BIOLOGY OF INVERTEBRATA.
J H Wilmoth
Prentich-Hall, Inc., Englewood Cliffs, New Jersey 465P REF
1967 QL362.W5
Animal evolution, Animal morphology, Animal taxonomy, Biology, Invertebrates.

6450-69
OBSERVATIONS AND ETHOLOGICAL CONSIDERATIONS ON LESIONS CAUSED BY FAULTS IN THE CONSTRUCTION OF STALLS IN SOME CATTLE HERDS. (GE)
K Zeeb
Deut Tierarztl Wochensch 75(24):630-632
15 Dec 1968 41.8 D482
Cattle, Extremities, Injuries, Lesions. English summary.

DISEASES

6451-69
THE EFFECT OF MASTITIS ON THE FREEZING-POINT OF COWS' MILK. KING, J O L.
Brit Vet J 125(1):25-30
Jan 1969 41.8 V643
Cattle, Dairy bacteriology, Food contamination, Livestock diseases, Mastitis, Melting points, Milk analysis, Temperature. French, German and Spanish summaries.

6452-69
NOTES ON THE SPONTANEOUS PATHOLOGY OF THE DOG IN THE LABORATORY. 3RD NOTE: CONCERNING A SPONTANEOUS HEPATECTOMY . (FR)
G van Hauerbeke J Michoulier H Verine
Acad Vet France Bull 41(1):41-44
Jan 1968 41.9 R24
Animal histology, Diagnosis, Dogs, Drug therapy, Hypertrophy, Liver.

6453-69
THE USE OF MEASLES VACCINES IN THE IMMUNIZATION OF THE DOG. (GE)
O Ackermann H Siebel
Kleintier-praxis 13(2):48-51
Mar 1968 41.8 K67
Canine distemper, Dogs, Immunization, Measles vaccine, Viral vaccines.

6454-69
SPRAYABLE OR SUBCUTANEOUSLY ADMINSTRABLE VACCINE FOR THE IMMUNIZATION OF MUSTELINES AGAINST DISTEMPER AND PROCESS FOR ITS PREPARATION. PATENT 3,420,934.
O Ackermann
Us Patent Office Offic Gaz 858(1):277-278
07 Jan 1969 156.65 OF2
Canine distemper, Immunization, Patents, Spraying, Vaccines, Virus diseases (animals).

6455-69
NEWCASTLE DISEASE IN POULTRY.
U S D A Leafl (451):6P
Dec 1968 1 AG84L
Disease transmission, Immunization, Newcastle disease, Poultry, Poultry diseases, Virus diseases (animals).

6456-69
COMBINED ACTION OF ROUS SARCOMA VIRUS AND CHEMICAL CARCINOGEN IN RATS.
C G Ahlstrom J Heaton
Experientia 24(4):411-413
15 Apr 1968 475 EX7
Animal physiology, Biochemistry, Carcinogens, Rats, Rous sarcoma virus.

6457-69
BORDETELLA BRONCHISEPTICA AND INFECTIONS OF THE NASAL CAVITY IN SWINE. (DU)
J P W Akkermans H Ouwerkerk J I Terpstra
Tijdschr Diergeneesk 15(93):964-972
01 Aug 1968 41.8 T431
Bordetella bronchiseptica, Infectious diseases, Livestock diseases, Respiratory diseases, Swine. English, French, German, and Spanish summaries

6458-69
THE PRECISION OF VIRUS END-POINT DETERMINATIONS.
W H Allan C N Herbert
Arch Gesamte Virusforsch 25(3-4):330-336
Dec 1968 448.3 AR23
Chick embryos, Newcastle disease virus, Paramyxoviruses, Poultry diseases, Volumetric analysis.

6459-69
STUDIES ON AN OCULAR INFECTIOUS LARYNGOTRACHEITIS VACCINE.
A A Alls J R Ipson W D Vaughan
Avian Dis 13(1):36-45 REF
Feb 1969 41.8 AV5
Aging, Animal physiology, Chick embryos, Dosage, Eyes, Immunization, Infectious diseases, Infectious laryngotracheitis, Poultry diseases, Tissue culture, Vaccines, Virus diseases (animals).

6460-69
ON THE GRANULAR DERMATITIS IN HORSES WHICH CONTAINS A KIND OF TRUE FUNGUS IN THE FOCI II. (JA)
J Amemiya S Nishiyama
Kagoshima Univ Fac Agr Bull 18:185-191
Feb 1968 107.6 K114B
Dermatitis, Fungus diseases (animals), Habronema, Horses, Mortierellaceae, Mycosis, Nematodes, Summer sores. English summary.

6461-69
SUITABLE BLOOD SOURCES PERMITTING REACQUISITION OF INFECTIVITY BY CULTURE-FORM TRYPANOSOMA (TRYPANOZOON) BRUCEI.
Y U Amrein R B Hanneman
Acta Trop 26(1):70-75
1969 475 AC8
Blood culture, Culture media, Immunity, Mammals, Protozoa, Tissue culture, Trypanosoma brucei.

The specific immunity of the individual, rather than the species, sex, or age of the mammalian blood donor, was found to be responsible for the inability to culture Trypanosoma brucei on some blood media.

6462-69
INTERSTATE TRANSPORTATION OF ANIMALS AND POULTRY. BRUCELLOSIS. MISCELLANEOUS AMENDMENTS.
R J Anderson
Fed Regist 34(94):7798-7800
16 May 1969 L1.451
Brucellosis, Cattle, Interstate commerce, Livestock diseases, Regulations.

6463-69
THE NATURAL OCCURRENCE OF CANINE L. ICTEROHAEMORRHAGE INFECTION. A SURVEY DURING TEN YEARS (OCTOBER 1957-SEPTEMBER 1967). (IT)
E Andreani G Della Croce
Pisa Univ Stud Fac Med Vet Ann 20:248-257
1967 41.9 P67
Bacterial diseases (animals), Canine distemper, Dogs, Leptospirosis. English and French summaries.

6464-69
SEROLOGICAL SURVEY ON THE INCIDENCE OF BOVINE LEPTOSPIROSIS IN THE PROVINCE OF BELLUNO. (IT)
E Andreani E Tasselli N Berton
Pisa Univ Stud Fac Med Vet Ann 20:258-263 REF
1967 41.9 P67
Antibodies, Bacterial diseases (animals), Blood serum, Cattle, Leptospira hardjo, Leptospira pomona, Leptospirosis, Livestock diseases. English and French summaries.

6465-69
THE ROUTE TO CONTROL OF MASTITIS.
Anonymous
Dairy Herd Manage 6(1):28-29
Jan 1969 SF191.D3
Dairy cattle, Drug therapy, Livestock diseases, Mastitis, Staphylococci.

6466-69
EFFECTIVE ATTACK ON MASTITIS...AT LAST.
Anonymous
Australian Country Mag 24(6):28-29,56
Jul 1968 60.18 AU7
Dairy cattle, Diagnosis, Drug therapy, Livestock diseases, Mastitis, Milk.

6467-69
A NEW FOWL POX VACCINE.
Anonymous
Farmers Weekly 70(17):32
25 Apr 1969 10 F2226
Avian poxviruses, Fowlpox, Immunization, Poultry diseases, Viral vaccines, Virus diseases (animals).

6468-69
NATIONAL APPROACH TO CONTROL OF ANIMAL DISEASE IN AUSTRALIA. EDITORIAL.
Anonymous
Australian Vet J 44(11):522
Nov 1968 41.8 AU72
Animal diseases, Legislation, Veterinary medicine.

6469-69
HOT DEBATE BOILS OVER VACCINES.
Anonymous
Big Farmer 41(3):26,28
15 Mar 1969 58.8 B46
Cattle, Disease transmission, Hog cholera, Vaccines, Virus diseases (animals).

6470-69
VICTORIA'S FOOTROT CONTROL AREA.
Anonymous
J Agr 67(2):54-55
Feb 1969 23 V66J
Antibiotics, Foot rot (animals), Legislation, Livestock diseases, Sheep.

6471-69
SOME OBSERVATIONS ON THE INCIDENCE OF BRUCELLOSIS IN ANIMALS IN WEST PAKISTAN.
S A S M Anwar Shah S Ahmad Khan
Pakistan J Sci 19(4):189-192
Jul 1967 475 P172
Brucella abortus, Brucellosis, Buffaloes, Cattle, Goats, Livestock diseases, Milk, Pregnancy, Sheep.

6472-69
DUCK COCCIDIA IN THE LITHUANIAN SSR. (RU)
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Coccidiosis, Ducks, Protozoa. English and Lithuanian abstracts.

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J N Aronson P A Bowe J Swafford
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Bacillus thuringiensis, Cytology, Microscopy, Physiology, Tyrosine.

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S Arora R K Sanyal
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Biochemistry, Bordetella pertussis, Epinephrine, Guinea pigs, Histamine, Mice, Rabbits, Vaccines.

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ASPERGILLUS FLAVUS MENINGO-ENCEPHALITIS IN CHICKENS AND GEESE. (IT)
G Asdrubali M Ribaldi L Giallctti L Mughetti
Nuova Vet 44(4,JUL-AUG):224-241 REF
Jul 1968 41.8 N922
Aspergillus flavus, Brain, Chickens, Fungus diseases (animals), Geese, Meningo-encephalitis, Poultry diseases. French, English and Spanish summaries.

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J Hyg Epidemiol Microbiol Immunol 11(2):151-159 REF
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Bacillus anthracis, Bacillus cereus, Biochemistry, Cytology, Electron microscopy, Immunochemistry, Tissue culture.

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M M Averbakh N I Tatishvili N V Gogebashvili
Zhur Mikrobiol Epidemiol Immunobiol 4:52-56
1968 448.3 Z4
Antibodies, Brucella abortus antigens, Cells, Fluorescent antibody technic, Fluorescent substances, Guinea pigs, Immunization, Plasmolysis, Serological tests. English summary

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STUDIES ON SALMONELLA INFECTION AMONG RABBITS IN THE U. A. R.
F I Awad M A El-Agroudy A A Bassiouni I M Sadek F Masoud
J Vet Sci U A R 4(1):11-17 REF
1967 SF604.J6
Food additives, Furazolidone, Neomycin, Pathology, Rabbits, Salmonellosis.

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T J Bagust R R Pascoe
Australian Vet J 44(6):296
Jun 1968 41.8 AU72
Equine rhinopneumonitis, Horses, Respiratory diseases, Serological tests, Tissue culture, Virus diseases (animals).

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A A Baker
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Aug 1968 41.8 AU72
Cattle, Hereditary diseases, Livestock diseases, Muscles, Pregnancy, Spasms.

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Amer Vet Med Ass J 154(5):491-494
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Allergies, Animal diseases, Antigens, Diagnosis, Dosage, Drug therapy, Injections.

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R A Ball V B Singh B S Pomeroy
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Animal morphology, Microorganisms, Microscopy, Mycoplasma meleagridis, Oviducts, Poultry diseases, Turkeys, Virus diseases (animals).

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SUSCEPTIBILITY OF EUROPEAN ZEBU CROSSBRED CATTLE TO LAPINSED RINDERPEST VACCINE.
R P Bansal G L Sharma
Indian J Vet Sci Anim Husb 38(3):379-383
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Calves, Cattle breeds, Livestock diseases, Rinderpest virus, Veterinary medicine, Viral vaccines, Zebu cattle.

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Sep 1968 41.8 IN22
Biological assay, Rabbits, Rinderpest virus, Tissue culture, Veterinary medicine, Viral vaccines, Virology.

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Aug 1967 448.3 J82
Complement, Immunity, Mycoplasma gallisepticum, Serological tests.

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I D Baynes G C Simmons
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Actinobacillus seminis, Animal histology, Epididymitis, Livestock diseases, Rams, Reproductive organs.

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L Bellani L Ruggeri
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Agglutination test, Bacterial diseases (animals), Cattle, Enzootic abortion, Epidemiology, Leptospires, Leptospirosis, Livestock diseases, Lysis, Sterility, Symptomatology, Volumetric analysis. English summary.

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PIG DISEASES.
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257P REF LONDON, ANGUS aND ROBERTSON LIMITED
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Animal physiology, Deficiency diseases, Disease control, Infectious diseases, Livestock diseases, Metabolism diseases, Neoplasms, Parasitism, Poisoning, Swine, Symptomatology.

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Candida albicans, Electrophoresis, Fluorescent antibody technic, Fungus diseases (animals), Rabbits.

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Cattle, Deficiency diseases, Dosage, Feed supplements, Hair, Livestock diseases, Manganese. English, German and Flemish summaries.

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J Bojarski
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Chickens, Epidemiology, Food sanitation, Mycobacterium avium, Mycobacterium bovis, Mycobacterium tuberculosis, Tuberculin test, Tuberculosis. English and Russian summaries.

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ACTINOMYCOSIS OF MANDIBLE GINGIVAE. (IT)
S Botticelli
Nuova Vet 43(6,NOV-DEC):635-639
1967 41.8 N922
Actinomycosis, Animal histology, Calves, Fungus diseases (animals), Jaws, Livestock diseases, Mandibular glands, Symptomatology.

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METHODS OF CONTROLLING PROTOZOA INFECTIONS WITH N-SUBSTITUTED 1,4-DIAMINO 2,3-ANTHRAQUINONEDICARBOXIMIDES. PATENT 3,436,460.
D C Boughton
Us Patent Office Offic Gaz 861(1):250
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Animal diseases, Diamino-N-(2-aminopropyl)-2,3-anthraquinonedicarboxi- d, Disease control, Methodology, Protozoa.

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Cattle, Excretion, Livestock diseases, Rinderpest virus, Vaccines, Virus diseases (animals). English and Spanish summaries.

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A J Bramble
Tasmanian J Agr 38(4):309-311
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Dogs, Echinococcosis, Legislation, Sanitation, Slaughterhouses.

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Avian Dis 13(1):83-88
Feb 1969 41.8 AV5
Avian lymphomatosis, Chickens, Chicks, Culex pipiens pipiens, Culex pipiens quinquefasciatus, Experimental insects, Insect vectors, Poultry diseases.

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ANIMAL HEALTH BUSINESS THRIVES.
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U S Defense Serv Admin Quart Indus Rep 16(1):15-16
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Agricultural research, Animal husbandry, Drugs, Feed additives, Livestock diseases, Manufacturing costs, Veterinary medicine.

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J Buczek T Jastrzebski
Lublin Univ Mariae Curie Ann Sect Dd 22:47-53 REF
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Baby pigs, Colostrum, Hematology, Livestock diseases, Picornaviruses, Swine, Virus diseases (animals). English and Russian summaries.

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J Buczek
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1967 512 L96AD
Hog cholera virus, Kidneys, Livestock diseases, Myxoviruses, Swine, Tissue culture, Virology, Virus diseases (animals). English and Russian summaries.

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MEDIUM-CHAIN TRIGLYCERIDES AS A STRESS FACTOR IN VITAMIN E DEFICIENCY OF CHICKS.
P Budowski H Fisher P Griminger
Poultry Sci 48(1):350-352
Jan 1969 47.8 AM33P
Antitoxins, Chicks, Deficiency diseases, Glycerides, Vitamin e.

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SEQUENCE OF RNA SYNTHESIS IN CHICK FIBROBLASTS INFECTED WITH SENDAI VIRUS.
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Chickens, Neoplasms, Parainfluenza-1 virus, Ribonucleic acid, Synthesis. Russian journal- vol. 33(2):256-262, Mar-Apr, 1968

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A Buonaccorsi
Pisa Univ Stud Fac Med Vet Ann 20:239-247 REF
1967 41.9 P67
Bacterial diseases (animals), Blood serum, Dogs, Enzymes, Leptospirosis. English and French summaries.

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P N Burgasov S N Rumyantsev
Zhur Mikrobiol Epidemiol Immunobiol 4:3-7
1968 448.3 Z4
Animals, Biology, Clostridium botulinum, Ecology, Evolution, Food poisoning, Morphology, Research. English summary

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W K Butterfield C F Helmboldt R E Luginbuhl
Avian Dis 13(1):53-57
Feb 1969 41.8 AV5
Animal histology, Avian encephalomyelitis, Chickens, Poultry diseases, Virus diseases (animals).

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R A Cacchione V C F Cedro M J D Bulgini E S Cascelli
Argent Repub Inst Nac Zoonosis Ser Tec (N s)(19):125-132
1962 41.9 AR36
Agglutination test, Dogs, Epidemiology, Leptospira, Leptospirosis, Serological tests. English summary.

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R A Cacchione V C F Cedro M J D Bulgini E S Cascelli
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1963 41.9 AR36
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Jun 1968 41.8 AU72
Babesia argentina, Cattle, Immunity, Immunization, Livestock diseases, Vaccines.

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F Carlotto E Dovadola
Nuova Vet 44(4,JUL-AUG):250-255 REF
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Epidemiology, Erysipelas, Poultry diseases, Skin diseases, Turkeys. French, English and German summaries.

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C B Carrig A A Seawright
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Nov 1968 41.8 AU72
Animal diseases, Dogs, Gastrointestinal system, Histamine, Skin diseases, Ulcers, Urticaria.

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Histology, Liver, Rabbits, Vibrio. English abstract.

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1968 41.8 V6439
Cattle, Injuries, Magnets, Peritonitis, Reticulum, Therapeutics.

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1964 41.9 AR36
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1962 41.9 AR36
Antigens, Bacterial diseases (animals), Blood plasma, Brucellosis, Chickens, Diagnosis, Poultry diseases. English, French and German summaries. reprint from: Revista de Investigaciones ganaderas, (13).

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Avian Dis 13(1):46-52
Feb 1969 41.8 AV5
Antibodies, Chickens, Hemagglutination-inhibition test, Hydracrylic acid beta-lactone, Immunization, Newcastle disease, Poultry diseases, Vaccines, Variance analysis, Virology, Virus diseases (animals).

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S I Chang J McGinnis M H Pubols
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Disease transmission, Epidemiology, Rabies, Virology, Virus diseases (animals), Wildlife diseases.

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A Chossonery
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Animal diseases, Epizootic diseases, Infectious diseases, Legislation, Organizations, Preventive medicine, Veterinary medicine.

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B L Clark J H Dufty M J Monsbourgh
Australian Vet J 44(11):530
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Bulls, Cattle, Immunization, Livestock diseases, Vibrio fetus, Vibriosis.

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D I Clemmer H Ichinose
Arch Gesamte Virusforsch 25(3-4):277-287 REF
Dec 1968 448.3 AR23
Adenoviruses, Chicks, Fluorescence microscopy, Intestines.

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THE IMMUNITY INDUCED IN CATTLE AND SHEEP BY INOCULATION OF NEUROTROPIC OR PANTROPIC RIFT VALLEY FEVER VIRUSES.
W Coackley A Pini D Gosden
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Antibodies, Cattle, Immunization, Livestock diseases, Rift valley fever, Sheep, Virus diseases (animals).

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Cattle, Livestock diseases, Rift valley fever, Serum neutralization test, Virus diseases (animals).

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J R Coffman W J Bracken
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Abdomen, Drug therapy, Horses, Livestock diseases, Promazine hydrochloride, Shock.

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G Cohen N L Somerson
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Biochemistry, Culture media, Glucose, Hydrogen peroxide, Metabolism, Mycoplasma gallisepticum, Mycoplasma pneumoniae.

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STRAIN VARIATION IN THE RESPONSE OF HAEMONCHUS CONTORTUS IN SHEEP AND GOATS GIVEN PHENOTHIAZINE: EFFICACY OF N. F. AND PURIFIED PRODUCTS ON PURE PARASITIC INFECTIONS.
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Goats, Haemonchus contortus, Phenothiazine, Sheep.

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CROSS-PROTECTION AGAINST SALMONELLA ENTERITIDIS INFECTION IN MICE.
F M Collins
J Bacteriol (4):1343-1349 REF
Apr 1968 448.3 J82
Animal diseases, Immunization, Mice, Proteus, Pseudomonas aeruginosa, Salmonella enteritidis, Serratia marcescens.

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RINGWORM DUE TO TRICHOPHYTON MENTAGROPHYTES IN A DOG.
M D Connole
Australian Vet J 44(11):528
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Dogs, Ringworm, Trichophyton mentagrophytes.

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EXPERIMENTAL EXPOSURE OF DEER TO CALIFORNIA ENCEPHALITIS VIRUS.
R S Cook D O Trainer
Wildlife Dis Ass Bull 5(1):3-7
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Anamnestic reaction, Antibodies, California encephalitis virus, Deer, Virology, Virus diseases (animals).

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LEPTOSPIROSIS ICTERCHAEMORRHAGIAE IN DOGS IN TASMANIA.
A Corbould
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Animal diseases, Dogs, Leptospira icterohaemorrhagiae, Leptospirosis, Serological tests.

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A Corrado R Graziani
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Drug therapy, Epidemiology, Furazolidone, Listeriosis, Livestock diseases, Sheep. French, English and German summaries.

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Abstracting, Histology, Mammals, Radioactivity, Research, Wildlife diseases.

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Equine influenza, Horses, Immunization, Serum neutralization test, Vaccines, Virus diseases (animals). English, German, and Spanish summaries.

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URINE PH CHANGES IN CATTLE INFECTED WITH FOOT-AND-MOUTHDISEASE VIRUS.
G E Cottral P Gailiunas
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Cattle, Foot-and-mouth disease virus, Hydrogen-ion concentration, Livestock diseases, Metabolism, Urine.

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R E Counsell V V Ranade P Pocha R E Willette W DiGuilio
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Oct 1968 396.8 J825
Chlorinated hydrocarbons, Chlorination, Iodides, Laboratory animals, Neoplasms, Radioactivity, Rats, Synthesis, Tissue culture, TDE.

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I Cozariuc
Rev Zootech 18(9):69-71
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Bloat, Cattle, Diagnosis, Feed, Festuca, Livestock diseases, Setaria viridis, Symptomat ology.

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EQUINE INFLUENZA IN MEXICO. ISOLATION AND STUDY OF THE STRAIN E/EQUI 2/ MEXICO/1/66. (SP)
R G Cunha G Gonzalez Lopez L Guzman Mijares
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Dec 1968 448.8 R32
Epidemiology, Equine influenza, Immunity, Serological tests, Virus diseases (animals). English abstract

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F J Daly
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Cattle, Livestock diseases, Polioencephalomalacia, Sheep, Thiamine.

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RESULTS OF HEMOGLOBIN DETERMINATION IN PIGLETS IN THE FRAMEWORK OF HERD DIAGNOSIS OF PIGLET ANEMIA. (GE)
H D Dannenberg W D Wesch R Niebuhr
Monatsh Vet 23(19):737-743 REF
01 Oct 1968 41.8 M742
Anemia, Baby pigs, Blood composition, Deficiency diseases, Hemoglobin, Iron, Livestock diseases. English and Russian summaries.

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D L Darre W R Wallace G T Dimopoullos
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Anaplasma marginale, Biochemistry, Biological assay, Electrophoresis, Enzymes, Lactate dehydrogenase.

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C Das
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Cattle, Livestock diseases, Microorganisms, Pleuropneumonia, Vaccines.

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THE EFFECT OF FURAN SERIES' CARBOXYLIC ACID N, N-BIS-(2-CHLOROETHYL) HYDRAZIDES AND N, N-BIS-(2-CHLORDETHYL) AMIDES ON THE GROWTH OF TRANSPLANTABLE TUMOURS AND HAEMATOPOIESIS OF RATS AND MICE. (RUS)
A Dauvarte A Zidermane
Latv P Sr Zinat Akad Vestis 7(240):144-149
1967 511 R442
Amines, Carboxylic acids, Furan, Hematopoiesis, Laboratory animals, Neoplasms, Nitrofurans. English summary.

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P G Davenport
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1968 27 L63
Animal husbandry, Disease control, Farm management, Livestock diseases, Regulations, Swine, Vaccines.

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IMMUNOFLUORESCENCE IDENTIDICATION OF MYCOPLASMA ON AGAR BY USE OF INCIDENT ILLUMINATION.
R A Del Giudice N F Robillard T R Carski
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Agar, Fluorescent antibody technic, Mycoplasma.

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H. Delsoy
Lyon Ecole Nat Vet These (68):97P REF
1967 41.2 L99
Cats, Coryza, Lungs, Respiratory diseases, Virus diseases (animals).

6547-69
AEROBIC AGENTS OF ANIMAL ACTINOMYCOSIS. (RUS)
T A Derevleva T G Suteeva
Veterinariya (12):60-63
Dec 1968 41.8 V6426
Actinomycosis, Aerobic bacteria, Microbiology.

6548-69
AVIAN REOVIRUSES. IV. RELATIONSHIP TO HUMAN REOVIRUSES.
D R Deshmukh H I Sayed B S Pomeroy
Avian Dis 13(1):16-22
Feb 1969 41.8 AV5
Agar, Chicks, Complement fixation, Gels, Hemagglutination, Hemagglutination-inhibition test, Human diseases, Mice, Reoviruses, Serum neutralization test, Virology, Virus diseases (animals).

6549-69
JOHNE'S DISEASE. II. THE PATHOGENIC AGENT, SUSCEPTIBLE SPECIES AND METHOD OF INFECTION. (FR)
M Desmecht
Ann Med Vet 112(8):689-698 REF
Dec 1968 41.8 AN78
Disease transmission, Feed toxicity, Johne's disease, Mycobacterium johnei. English and Flemish summaries.

6550-69
TRYPANOTOLERANT CATTLE, BREEDING IN CENTRAL AFRICAN REPUBLIC. (FR)
J Desrotour P Finelle P Martin E Sinodinos
Rev Elevage Med Vet Pays Trop 20(4):589-594
1967 41.8 R3262
Animal breeding, Cattle, Immunity, Livestock diseases, Trypanosomiasis, Zebu cattle. Spanish and English summaries.

6551-69
CONTRIBUTION TO THE STUDY OF PROPHYLAXIS OF BOVINE PNEUMONIA IN THE REPUBLIC OF HAUTE-VOLTA. (FR)
S Diallo
Lyon Ecole Nat Vet These 8:96 P. MAP REF
18 Jan 1967 41.2 L99
Animal diseases, Cattle, Epidemiology, Pneumonia, Research.

6552-69
USE OF POTASSIUM IODIDE IN THE TREATMENT OF OVARIAN CYSTS IN COWS. (BU)
G Djambazov K Burzinski
Vet Med Nauk 5(7):89-94 REF
1968 41.8 V6468
Cattle, Dosage, Drug therapy, Livestock diseases, Metritis, Ovarian cysts, Potassium iodide, Procaine. English and Russian summaries.

6553-69
CHARACTERIZATION OF A CYTOPLASMIC FRACTION FROM SINDBIS VIRUS-INFECTED CULTURES.
P Dobos P Faulkner
Can J Microbiol 15(2):215-222 REF
Feb 1969 448.8 C162
Cells, Cytoplasm, Properties, Ribonucleic acid, Sindbis virus, Virus diseases (animals).

6554-69
PANCREATIC ENZYMES INITIATING EXCYSTATION OF EIMERIA ACERVULINA SPOROZOITES.
D J Doran
Helminthol Soc Wash Proc 33(1):42-43
Jan 1966 436.9 H36
Biochemistry, Carboxypeptidases, Chymotrypsin, Coccidiosis, Cysts, Eimeria acervulina, Enzymes, Lipases, Trypsin.

Trypsin and chymotrypsin in the presence of chicken bile induced excystation of Eimeria acervulina sporozoites from liberated sporocysts.

6555-69
LOCATION AND TIME OF PENETRATION OF DUODENAL EPITHELIAL CELLS BY EIMERIA ACERVULINA SPOROZOITES.
D J Doran
Helminthol Soc Wash Proc 33(1):43-46
Jan 1966 436.9 H36
Chickens, Duodenum, Eimeria acervulina, Penetration, Poultry diseases.

Eimeria acervulina sporozoites penetrated the villar epithelium as early as 10 min. after the chickens had been fed oocysts. The time of greatest penetration was at one hour. Most sporozoites penetrated a length of the duodenum extending from a point just before the curvature of the loop begins to about 2.5 cm. from where the pancreatic duct enters.

6556-69
SITES OF AVIAN LEUKOSIS VIRUS MULTIPLICATION IN CONGENITALLY INFECTED CHICKENS.
R M Dougherty H S Di Stefano
Cancer Res 27(2,PT 1):322-332 REF
Feb 1967 448.8 C16
Avian leukosis complex viruses, Chickens, Electron microscopy, Histology, Physiology.

6557-69
TYPE C BOTULISM IN A DOVE (STREPTOPELIA ROSEOGRISEA BORNUENSIS) FROM FERLO (SENEGAL). (FR)
M P Doutre
Rev Elevage Med Vet Pays Trop 20(4):601-604 REF
1967 41.8 R3262
Botulism, Clostridium botulinum, Diptera, Feeding, Larvae, Pigeons, Pupae. English and Spanish summaries.

Feeding on fly larvae and pupae a possible source of infection

6558-69
CONTRIBUTION TO THE IMPORTANCE OF INOCULATION AGAINST HOG CHOLERA AS A MEASURE FOR ERADICATION OF THIS INFECTION IN YUGOSLAVIA. (SE)
R Draskovic
Vet Glas 22(10):871-875 REF
1968 41.8 J93
Eradication, Hog cholera, Immunization, Livestock diseases, Virus diseases (animals).

6559-69
TREATMENT OF ANAL TUMORS WITH HONVAN-ASTA. (GE)
R Dufait
Kleintier-praxis 13(3):74-75
Apr 1968 41.8 K67
Adenoma, Anus, Carcinoma, Diethylstilbestrol 4,4'-diphosphoric ester, Dogs, Drug therapy, Injections. English and French summary.

6560-69
FINANCING OF MEASURES FOR PREVENTION AND CONTROL OF ANIMAL INFECTIONS IN THE REPUBLIC OF MACEDONIA. (SE)
A Dzekov
Vet Glas 22(10):833-839
1968 41.8 J93
Agricultural finance, Animal diseases, Costs, Disease control.

6561-69
PARENTERAL CHEMOTHERAPY OF OVINE FOOT-ROT.
J R Egerton I M Parsonson N P H Graham
Australian Vet J 44(6):275-283 REF
Jun 1968 41.8 AU72
Antibiotics, Dihydrostreptomycin, Dosage, Drug therapy, Environment, Foot rot (animals), Fusiformis nodosus, Livestock diseases, Penicillin, Sheep.

6562-69
BEHAVIOR OF EQUINE INFECTIOUS ANEMIA VIRUS IN CELL CULTURE AND DEVELOPMENT OF A DIAGNOSTIC TEST FOR THE DISEASE.
A ElZein W L Myers D Segre
J Infect Dis 118(5) 473-480 REF
Dec 1968 448.8 J 821
Biological assay, Culture media, Equine infectious anemia, Livestock diseases, Serum, Symptomatology, Tissue culture, Virology, Virus diseases (animals).

6563-69
INFECTIOUS DISEASE REVIEW: NEWER CONCEPTS OF RABIES.
J B Emery
Pract Vet 41(1):13-16 REF
1969 41.8 AL5
Bats, Central nervous system, Disease transmission, Epidemiology, Human diseases, Infectious diseases, Rabies, Virology, Virus diseases (animals).

6564-69
INDUCTION OF LUNG ADENOMATOSIS (JAAGZIEKTE) IN SHEEP. II. (BU)
S Enchev
Vet Med Nauk 5(3):13-24
1968 41.8 V6468
Livestock diseases, Pulmonary adenomatosis, Sheep, Virus diseases (animals). English and Russian summaries.

6565-69
CHRONIC PANLEUKOPENIA IN CATS. (GE)
H K Englert
Kleintier-praxis 13(3):61-62
Apr 1968 41.8 K67
Cats, Feline infectious enteritis, Neoplasms, Viscera.

6566-69
A CONTRIBUTION TO THE KNOWLEDGE OF TROPHISM IN RABIES VIRUS. (FR)
D Erecgovac M Costoglou
Rec Med Vet 144(10):951-961 REF
Oct 1968 41.8 R24
Myxoviruses, Neoplastic diseases, Rabies virus, Rats.

6567-69
APPLICATION OF THE AGAR GEL TECHNIQUE IN THE DIAGNOSIS OF INFECTIOUS BOVINE RHINOTRACHEITIS.
L A Estela
Amer J Vet Res 28(12):1903-1904
Nov 1967 41.8 AM3A
Agar, Bovine rhinotracheitis virus, Cattle, Diagnosis, Gels, Methodology.

6568-69
FAMILIAL NONSPHEROCYTIC HEMOLYTIC ANEMIA OF BASENJI DOGS.
G O Ewing
Amer Vet Med Ass J 154(5):503-507
01 Mar 1969 41.8 AM3
Diagnosis, Dogs, Hematologic diseases, Hemolytic anemia.

6569-69
PROPERTIES OF PASTEURELLA ORGANISMS ISOLATED FROM BIRDS FED ANTIBIOTICS FOR A LONG PERIOD. (RUS)
V I Ezhov
Veterinariya (12):65-66
Dec 1968 41.8 V6426
Animal nutrition, Antibiotics, Birds, Pasteurella, Properties.

6570-69
A NEW ANTIBIOTIC: GENTAMICIN SULPHATE IN PSEUDOMONIASIS BY PSEUDOMONAS AERUGINOSA IN CHINCHILLA LANIGER. (IT)
V Favati M Marranghini
Zooprofilassi 23(6/7,JUN-JUL):277-286 REF
1968 41.8 Z72
Antibiotics, Chinchillas, Drug therapy, Fungus diseases (animals), Gentamicin sulfate, Pseudomonas aeruginosa. English and French summaries.

6571-69
ROECKL GRANULOMA WITH AN EXCESSIVELY TESTICULAR LOCALIZATION. (IT)
M Fedrigo
Pisa Univ Stud Fac Med Vet Ann 20:169-176 REF
1967 41.9 P67
Bulls, Fungi, Granuloma, Livestock diseases, Testes. English and French summaries.

6572-69
CHARACTERIZATION OF BOVINE VIRAL DIARRHEA VIRUSES. II. ULTRAFILTRATION PROPERTIES OF DIFFERENT STRAINS AFTER VARIOUS TREATMENTS.
A L Fernelius
Arch Gesamte Virusforsch 25(2):219-226
Dec 1968 448.3 AR23
Biophysics, Bovine virus diarrhea virus, Filters.

6573-69
CHARACTERIZATION OF BOVINE VIRAL DIARRHEA VIRUSES. III. PARTIAL PURIFICATION BY AGAR GEL FILTRATION.
A L Fernelius L F Velicer
Arch Gesamte Virusforsch 25(2):227-234 REF
Dec 1968 448.3 AR23
Agar, Bovine virus diarrhea virus, Filters.

6574-69
CHARACTERIZATION OF BOVINE VIRAL DIARRHEA VIRUSES. I. DETERMINATION OF BUOYANT DENSITY.
A L Fernelius
Arch Gesamte Virusforsch 25(2):211-218 REF
Dec 1968 448.3 AR23
Bovine virus diarrhea virus, Centrifugation, Density, Electron microscopy.

6575-69
SUSCEPTIBILITY OF SCRAPIE AGENT TO IONIZING RADIATION.
E J Field F Farmer E A Caspary G Joyce
Nature 222(5188):90-91
05 Apr 1969 472 N21
Livestock diseases, Nucleic acids, Radiation, Scrapie, Sheep, Virology, Virus diseases (animals).

6576-69
INFLUENCE OF SYNTHETIC INSECT T. C. MEDIUM ON THE SURVIVAL OF MALARIA SPOROZOITS IN VITRO (PLASMODIUM BERGHEI YOELI AND P. CATHEMERIUM).
E Fink E Schicha
Z Parasitenk 32(1):93-94
14 Apr 1969 442.8 Z33F
Culture media, Insects, Physiology, Plasmodium, Tissue culture.

6577-69
FOUR CASES OF SYSTEMIC MYCOSIS IN CERVIDS.
A L Fletch R C Anderson
Wildlife Dis Ass Bull 5(1):12-15
Jan 1969 41.9 W64B
Animal histology, Aspergillus fumigatus, Fungus diseases (animals), Mycosis, Ruminants, Wildlife diseases.

6578-69
CONTROLLING BLOAT IN CATTLE GRAZING CLOVER.
L E Foote J E Johnston J Rainey R E Girouard W H Willis
La Agr Exp Sta Bull (629):28P REF
Aug 1968 100 L 93 (1)
Antibiotics, Bloat, Cattle, Clover, Drug therapy, Grazing, Penicillin, Surface-active agents.

6579-69
A PROPOSED METHOD OF PREMUNIZING CATTLE WITH MINIMUM INOCULA OF ANAPLASMA MARGINALE.
T E Franklin J W Huff
Res Vet Sci 8(4):415-418 REF
Oct 1967 41.8 R312
Anaplasma marginale, Anaplasmosis, Cattle, Immunization, Livestock diseases.

6580-69
DISTRIBUTION OF EXPERIMENTALLY INDUCED SCRAPIE LESIONS IN THE BRAIN.
H Fraser A G Dickinson
Nature 216(5122):1310-1311
30 Dec 1967 472 N21
Animal histology, Brain, Central nervous system, Laboratory animals, Livestock diseases, Mice, Scrapie, Virus diseases (animals).

6581-69
LOCOWEED POISONING.
B Freeman
Ariz Cattlelog 28(7):17-18
Mar 1969 43.8 AR42
Animal nutrition, Astragalus, Cattle, Chemical control (weeds), D, 2,4-, Herbicides, Phenoxy acid compounds, Plant geography, Poisonous plants, Toxicology.

6582-69
TOXOPLASMA GONDII: FECAL FORMS SEPARATED FROM EGGS OF THE NEMATODE TOXOCARA CATI.
J K Frenkel J P Dubey N L Miller
Science 164(3878):432-433 REF
25 Apr 1969 470 SCI2
Animal vectors, Bacterial diseases (animals), Cats, Disease transmission, Excretion, Feces, Toxocara cati, Toxoplasma gondii, Toxoplasmosis.

6583-69
A COMPLEMENT FIXATION TEST FOR THE STUDY OF AVIAN MYCOPLASMA.
M L Frey R P Hanson
Avian Dis 13(1):185-197 REF
Feb 1969 41.8 AV5
Antigens, Complement fixation, Microscopy, Mycoplasma, Poultry diseases, Tissue culture.

6584-69
OUTBREAK OF ORNITHOSIS IN A FLOCK OF CARRIER PIGEONS IN COPENHAGEN. (DA)
N F Friis
Nord Veterinaermed 20(10):521-526 REF
Oct 1968 41.8 N813
Epidemiology, Miyagawanella group viruses, Ornithosis, Pigeons, Respiratory system, Serological tests, Symptomatology, Virus diseases (ani mals). English and German summaries.

6585-69
EFFECTS OF PENICILLIN AND GLYCINE ON CELL WALL GLYCOPEPTIDES OF THE TWO VARIETIES OF VIBRIO FETUS.
P H Fung A J Winter
J Bacteriol 96(6):1889-1894 REF
Dec 1968 448.3 J82
Biochemistry, Cell wall, Glycine, Glycopeptides, Penicillin, Vibrio fetus.

6586-69
HEPATOCELLULAR CARCINOMA IN THE DOG. (GE)
P Gabraschanski A Dschurov C Georgiev
Kleintier-praxis 13(3):62-65
Apr 1968 41.8 K67
Carcinoma, Cells, Dogs, Duodenum, Gallbladder, Liver, Microscopy.

6587-69
MICROSCOPIC SKIN LESIONS IN CATTLE WITH FOOT-AND-MOUTH DISEASE.
P Gailiunas
Arch Gesamte Virusforsch 25(2):188-200 REF
Dec 1968 448.3 AR23
Animal histology, Cattle, Foot-and-mouth disease, Skin.

6588-69
NEWCASTLE DISEASE IN FRANCOLINUS FRANCOLINUS, FRANCOLINUS PONDICERIANUS AND IN BAMBUSCIOLA THORACICA. (IT)
G Galli D Cessi
Clin Vet 91(9):269-273
Sep 1968 41.8 C61
Game birds, Hemagglutination-inhibition test, Newcastle disease, Poultry diseases, Serum neutralization test, Virus diseases (animals). English summary.

6589-69
ARBOVIRUS-ERYTHROCYTE INTERACTION. ADSORPTION, ELUTION AND NEUTRALIZATION OF VIRUS.
G A Garabedian A M Matossian T P Zacharia
Arch Gesamte Virusforsch 25(3-4):247-254 REF
Dec 1968 448.3 AR23
Adsorption, Arboviruses, Erythrocytes, Geese, Immunology, Serum, Virus diseases (animals).

6590-69
FURTHER STUDIES ON AVIAN BILIARY CIRRHOSIS WITH PARTICULAR REFERENCE TO AETIOLOGY.
M R Gardiner
Australian Vet J 44(11):512-515 REF
Nov 1968 41.8 AU72
Bile ducts, Bone meal, Cirrhosis, Feed, Poultry diseases, Sodium pentachlorophenate, Vitamin a.

6591-69
FUNGAL FLORA OF THE AVIAN RESPIRATORY TRACT.
D N Garg M S Sethi
Poultry Sci 48(1):339-341
Jan 1969 47.8 AM33P
Fungus diseases (animals), Mycosis, Poultry, Respiratory diseases. Many fungi harmful to poultry are discussed.

6592-69
THE EFFECT OF ANTIBIOTICS ON THE IMMUNITY DEVELOPMENT TO PASTEURELLOSIS IN SWINE. (RUS)
V F Gerzin V F Kovalev
Veterinariya (12):63-64
Dec 1968 41.8 V6426
Antibiotics, Drug therapy, Immunity, Livestock diseases, Swine plague.

6593-69
BOVINE RESPIRATORY DISEASE, DIAGNOSIS AND CONTROL.
W J Gibbons
Mod Vet Pract 50(3):38-39,42-43
Mar 1969 41.8 N812
Cattle, Diagnosis, Disease control, Etiology, Immunization, Infectious bovine rhinotracheitis virus, Livestock diseases, Malignant catarrh, Pneumonia, Respiratory diseases, Scours, Shipping fever, Virus diseases (animals).

6594-69
FELINE INFECTIOUS ANEMIA (HAEMOBARTENELLA FELIS) DIAGNOSIS AND TREATMENT.
A P Gilbride
Norden News 44(1,WINTER):14-17
1969 41.8 N75
Anemia, Antibiotics, Cats, Diagnosis, Disease transmission, Drug therapy, Insect vectors, Microorganisms, Siphonaptera.

6595-69
SOME OBSERVATIONS ON MAREK'S DISEASE (FOWL PARALYSIS).
W M Goodchild
Vet Rec 84(4):87-89
25 Jan 1969 41.8 V641
Autopsies, Avian lymphomatosis, Chickens, Microscopy, Nerves, Poultry diseases.

6596-69
ERGOT POISONING OF CATTLE GRAZING DALLISGRASS.
D E Goodwin
Amer Vet Med Ass J 151(2):204-205
15 Jul 1967 41.8 AM3
Cattle, Claviceps paspali, Fungus diseases (plants), Paspalum dilatatum, Pathology, Poisonous plants.

6597-69
CHARACTERIZATION OF MYCOPLASMA SUIPNEUMONUAII A MYCOPLASMA CAUSING ENZOOTIC PNEUMONIA OF PIGS.
R F W Goodwin A P Pomeroy P Whittlestone
J Hyg 65(1):85-96 REF
Mar 1967 449.8 J82
Mycoplasma suipneumoniae, Serological tests, Swine.

6598-69
THE APPLICATION OF ULTRASOUND IN THE TREATMENT OF MASTITIS IN COWS. (BU)
H Goranov A Tsvetkov
Vet Med Nauk 5(5):75-81 REF
1968 41.8 V6468
Antibiotics, Cattle, Livestock diseases, Mastitis, Milk production, Ultrasonic waves. English and Russian summaries.

6599-69
RELATIONSHIPS OF X-IRRADIATION TO THE ENHANCEMENT OF CANDIDA ALBICANS INFECTIONS.
R S Gordee P J Simpson
J Bacteriol 94(1):6-12 REF
Jul 1967 448.3 J82
Animal diseases, Blood cells, Candida albicans, Mice, Mycosis, X-rays.

6600-69
CLINICAL OBSERVATION OF EXPERIMENTAL PSEUDORABIES IN MINK AND FERRETS.
H Goto J R Gorham K W Hagen
Jap J Vet Sci 30(5):257-263 REF
Oct 1968 41.8 J27
Dosage, Ferrets, Minks, Pseudorabies, Pseudorabies virus, Rabbits, Virus diseases (animals). Japanese summary.

6601-69
SUSPECTED PRIMARY HYPERPARATHYROIDISM IN THE DOG.
B E Goulden C P MacKenzie
New Zeal Vet J 16(8/9,AUG-SEP):131-140 REF
1968 41.8 N483
Adenoma, Animal diseases, Animal physiology, Dogs, Hyperparathyroidism, Renal osteodystrophy, Serological tests, Veterinary medicine.

6602-69
SOURCES OF TOLERANCE TO SOIL-BORNE OAT MOSAIC VIRUS FROM THE WORLD OAT COLLECTION.
D Graham W P Byrd G C Kingsland
Crop Sci 9(3,MAY-JUN):321-322
May 1969 64.8 C883
Mosaic, Oats, Plant disease resistance, Soil-borne plant diseases, Virus diseases (plants).

6603-69
THE TREATMENT OF COCCIDIOSIS IN DOMESTIC RUMINANTS WITH AMPROLIUM . (FR)
S Gretillat G Vassiliades
Rev Elevage Med Vet Pays Trop (N s)21(2):191-201
1968 41.8 R3262
Amprolium, Coccidiosis, Drug therapy, Infectious diseases, Livestock diseases, Ruminants. English and Spanish summaries.

6604-69
THE OLFACTORY BULB LESION IN THE HIBENATING SQUIRREL (CITELLUS LATERALIS) INFECTED WITH COXSACKIEVIRUS B-3. I. VIRUS ASSAY, LIGHT MICROSCOPIC AND IMMUNOFLUORESCENT STUDY.
E I Grodums R Siboo
Can J Microbiol 15(2):193-196 REF
Feb 1969 448.8 C162
Antigens, Biological assay, Coxsackie viruses, Hibernation, Immunofluorescence, Microscopy, Smell, Squirrels, Virus diseases (animals).

6605-69
USE OF AMPICILLIN INSTEAD OF STREPTOMYCIN IN SALMONELLA-INFECTED MOUSE PERITONEAL MACROPHAGE CULTURES.
D Groschel R Jakobowitch
J Bacteriol 93(3):1199-1200
Mar 1967 448.3 J82
Ampicillin, Animal diseases, Antibiotics, Bacteriology, Salmonella typhimurium, Streptomycin, Tissue culture.

6606-69
SOME OBSERVATIONS OF HYPOMAGNESEMIC TETANY IN CATTLE. (FI)
S Haaranen
Suomen Elainlaakarilehti 74(6):212-223 REF
Jun 1968 41.8 F49
Biochemistry, Blood sugar, Bone ash, Cattle, Glycosuria, Grass tetany, Hyperphosphatemia, Hypocalcemia, Hypomagnesemia, Livestock diseases, Pastures, Temperature, Urine. English summary.

6607-69
MAGNESIUM REQUIREMENT OF THE LAYING HEN FOR REPRODUCTION.
R N Hajj J L Sell
J Nutr 97(4,PT 1):441-448 REF
Apr 1969 389.8 J82
Animal nutrition, Animal physiology, Chickens, Deficiency diseases, Diet, Egg production, Eggs, Liver, Magnesium, Poultry diseases.

6608-69
YEASTS AND YEAST-LIKE FUNGI IN THE GENITAL ORGANS OF COWS AND HEIFERS. V. GENITAL CANDIDIASIS AND ABORTIONS CAUSED BY YEASTS BELONGING TO THE GENERA CANDIDA, TRICHOSPORON AND SACCHAROMYCES. (SL)
M Hajs.g S Topolko
Vet Arh 37(7-8):193-196 REF
1967 41.8 V6416
Abortion, Candida, Cattle, Diagnosis, Fungi, Saccharomyces, Trichosporon, Yeasts. English and french abstracts

6609-69
NUTRITIONAL REQUIREMENTS OF PASTEURELLA TULARENSIS FOR GROWTH FROM SMALL INOCULA.
M Halmann M Benedict J Mager
J Gen Microbiol 49(3):451-460
Dec 1967 448.3 J823
Blood, Culture media, Nutrition, Pasteurella tularensis.

6610-69
AN ENDOGENOUSLY PRODUCED SUBSTANCE ESSENTIAL FOR GROWTH INITIATION OF PASTEURELLA TULARENSIS.
M Halmann J Mager
J Gen Microbiol 49(3):461-468 REF
Dec 1967 448.3 J823
Biochemistry, Culture media, Nutrition, Pasteurella tularensis.

6611-69
HEMAGGLUTININ OF RABIES AND SOME OTHER BULLET-SHAPED VIRUSES.
P E Halonen F A Murphy B N Fields D R Reese
Soc Exp Biol Med Proc 127(4):1037-1042 REF
Apr 1968 442.9 SO1
Antigens, Hemagglutination, Myxoviruses, Rabies virus, Serodiagnosis. English abstract

6612-69
GENETIC RESISTANCE TO LEUKOSIS CAUSED BY THE JM VIRUS IN THE FOWL.
F S Han J R Smyth M Sevoian F N Dickinson
Poultry Sci 48(1):76-87 REF
Jan 1969 47.8 AM33P
Animal breeding, Animal genetics, Avian leukosis complex viruses, A vian lymphomatosis, Chickens, Immunity, Poultry diseases.

6613-69
FIELD OBSERVATIONS ON PARENTERAL ANTIBIOTIC TREATMENT OF OVINE FOOT-ROT.
D J Harris
Australian Vet J 44(6):284-286
Jun 1968 41.8 AU72
Antibiotics, Drug therapy, Foot rot, Livestock diseases, Penicillin, Sheep, Streptomycin.

6614-69
THE CHARACTERISTICS OF STAPHYLOCOCCUS AUREUS ISOLATED FROM CASES OF STAPHYLOCOCCOSIS IN POULTRY.
E G Harry
Res Vet Sci 8(4):479-489 REF
Oct 1967 41.8 R312
Antibodies, Chickens, Drug therapy, Ducks, Infectious diseases, Poultry diseases, Staphylococcus aureus, Turkeys.

6615-69
SOME CHARACTERISTICS OF STAPHYLOCOCCUS AUREUS ISOLATED FROM THE SKIN AND UPPER RESPIRATORY TRACT OF DOMESTICATED AND WILD (FERAL) BIRDS.
E G Harry
Res Vet Sci 8(4):490-499 REF
Oct 1967 41.8 R312
Anti biotics, Birds, Chickens, Hemolysins, Penicillin, Poultry diseases, Respiratory system, Skin, Staphylococcus aureus, Tetracycline, Turkeys.

6616-69
ON THE MINERAL CONTENT OF THE SWISS MEADOW FODDER AND ITS RELATIONSHIP TO HERD STERILITY. (GE)
A Hasler
Schweizer Arch Tierbeilk 110(11):543-569 REF
Nov 1968 41.8 SCH9

Animal nutrition, Cattle, Deficiency diseases, Feed, Livestock diseases, Minerals, Sterility. English, French and Italian summaries.

6617-69
STUDIES ON THE METHOD OF EXPERIMENTAL INFECTION OF VIBRIO PARAHAEMOLYTICUS. I. INFECTION OF VIBRIO PARAHAEMOLYTICUS INTO INTESTINAL SEGMENTS OF RABBITS. II. INFLUENCE OF CHEMOTHERAPEUTIC AGENTS ON INTESTINAL SEGMENTS OF RABBIT INFECTED WITH VIBRIO PARAHAEMOLYTICUS. (JA)
Z Hattoi S Okuma
Tokyo Soc Vet Zootech Sci J (16):81-101 REF
Mar 1967 41.9 T574
Animal diseases, Bacteria, Drugs, Intestines, Rabbits, Therapeutics, Vibrio parahaemolyticus.

6618-69
BRUCELLA OVIS INFECTION. 2. THE INFECTION STATUS IN BREEDING FLOCKS AS MEASURED BY EXAMINATION OF RAMS AND THE PERINATAL LAMB MORTALITY.
K G Haughey K L Hughes W J Hartley
Australian Vet J 44(12):531-535 REF
Dec 1968 41.8 AU72
Bacterial diseases (animals), Brucella ovis, Brucellosis, Epidemiology, Lambs, Livestock diseases, Mortality, Rams.

6619-69
BONE MARROW CHANGES IN THE COURSE OF FELINE INFECTIOUS ENTERITIS (AGRANULOCYTOSIS). (GE)
P Hauser
Kleintier-praxis 13(2):52-53
Mar 1968 41.8 K67
Bone marrow, Cats, Feline infectious enteritis.

6620-69
EIMERIA ADENDEIDES AND E. MELEAGRIMITIS: PATHOGENIC EFFECT IN TURKEY POULTS.
H Hein
Exp Parasitol 24(2):163-170
Apr 1969 436.8 EX7
Eimeria adenoeides, Eimeria meleagridis, Intestines, Mortality, Poults, Protozoa.

6621-69
OBSERVING THE SENSITIVITY OF FRANCISELLA TULARENSIS TO ANTIBIOTICS IN VITRO. (CZ)
M Hejzlar
Cesk Epidemiol Mikrobiol Imunol 16(6):337-344
Nov 1967 448.8 C332
Antibiotics, Kanamycin, Novobiocin, Pasteurella tularensis, Streptomycin, Tetracycline, Tissue culture. Russian and English abstracts.

6622-69
CLOSTRIDIUM SEPTICUM INFECTION IN A BROILER FLOCK.
D H Helfer E M Dickinson D H Smith
Avian Dis 13(1):231-233
Feb 1969 41.8 AV5
Antibodies, Chickens, Chlortetracycline, Clostridium septicum, Culture media, Fluorescence, Mortality, Poultry diseases, Poultry houses. Fatal to Cornish-cross, but not to White Leghorns.

6623-69
PRELIMINARY RESULTS IN A STUDY OF NATURAL FOCI OF TULAREMIA IN THE SISAK-GUSCE-POPAVACA REGION OF CROATIA. (JPRS 44,159).
D Heneberg M Morelj N Heneberg M Mikes V Djokovic B Borcic A Hrabar M Isgum Z Djordjevic
11P MAP
26 Jan 1968 TRANSL. 17064
Animal vectors, Bacteria, Epidemiology, Human diseases, Infectious diseases, Tularemia. Translation from Lijecnicki Vjesnik (8):591-600, 1967. issued by CFSTI.

6624-69
TREATMENT OF ANOESTRUS IN DAIRY CATTLE.
R W Hewetson
Australian Soc Anim Prod Proc 7:183-187
Feb 1968 49.9 AU72
Anestrus, Dairy cattle, Dosage, Livestock diseases, Progesterone, Reproduction, Therapeutics. Proceedings of Australian Society of Animal Production.

6625-69
COMPARATIVE STUDIES ON BLOODSTREAM AND CULTURE FORMS OF TRYPANOSOMA LEWISI--I. OXYGEN UTILIZATION, CARBON DIOXIDE PRODUCTION AND GLUCOSE UPTAKE.
J S Hibbard D G Dusanic
Compar Biochem Physiol 29(2):621-630 REF
May 1969 444.8 C73
Blood parasites, Carbon dioxide, Glucose, Metabolism, Oxygen, Tissue culture, Trypanosoma lewisi.

6626-69
SPONTANEOUS AND EXPERIMENTAL AFLATOXICOSIS OF DUCKS. (GE)
G Hille K E Lindner
Monatsh Vet 23(18):685-688 REF
15 Sep 1968 41.8 M742
Aflatoxicosis, Cirrhosis, Ducks, Feed toxicity, Liver diseases, Poultry diseases. English and Russian summaries.

6627-69
EXPERIMENTAL STUDIES ON BOVINE MYCOTIC PLACENTITIS.
R B Hillman K McEntee
Cornell Vet 59(2):289-302 REF
Apr 1969 41.8 C81
Abortion, Aspergillus fumigatus, Cattle, Livestock diseases, Mycosis.

6628-69
ANTIGENS OF BRUCELLA ABORTUS. I. CHEMICAL AND IMMUNDELECTROPHORETIC CHARACTERIZATION.
R D Hinsdill D T Berman
J Bacteriol 93(2):544-549 REF
Feb 1967 448.3 J82
Antigens, Brucella abortus, Electrophoresis, Immunochemistry, Serological tests.

6629-69
THE INCIDENCE OF DRUG RESISTANT STRAINS OF EIMERIA IN CHICKENS IN GREAT BRITAIN, 1966.
J N Hodgson S J Ball K C Ryan E W Warren
Brit Vet J 125(1):31-35
Jan 1969 41.8 V643
Bacteriostats, Chickens, Coccidiosis, Eimeria, Immunity, Poultry diseases. French, German and Spanish summaries.

6630-69
NATURAL SCRAPIE IN A GOAT.
J L Hourrigan A L Klingsporn H A McDaniel
Amer Vet Med Ass J 154(5):538-539
01 Mar 1969 41.8 AM3
Brain, Diagnosis, Goats, Scrapie, Virus diseases (animals).

6631-69
OBSERVATIONS OF INFECTIOUS DIARRHEA AS PART OF THE SHIPPING FEVER SYNDROME IN FEEDLOT CATTLE.
J R Howard
Amer Vet Med Ass J 154(10):1201-1202
15 May 1969 41.8 AM3
Cattle, Diarrhea, Epizootic diseases, Livestock diseases, Serum neutralization test, Shipping fever.

6632-69
THE EXPERIENCE WITH THE INDIRECT IMMUNOFLUORESCENCE APPLICATION TO THE RABIES VIRUS IDENTIFICATION. (CZ)
V Hronovsky R Benda
Cesk Epidemiol Mikrobiol Imunol 16(3):136-142 REF
May 1967 448.8 C332
Antigens, Immunofluorescence, Rabies virus, Tissue culture. Russian and English abstracts.

6633-69
SEROLOGICAL EXAMINATION FOR EVIDENCE OF BRUCELLOSIS AND LEPTOSPIROSIS IN BEEF HERDS IN NEW SOUTH WALES.
K L Hughes J S Young G G Moyle
Australian Vet J 44(12):557-561 REF
Dec 1968 41.8 AU72
Agglutination test, Antibodies, Bacterial diseases (animals), Beef cattle, Brucella abortus, Brucellosis, Epidemiology, Leptospira pomona, Leptospirosis, Livestock diseases, Serological tests.

6634-69
BRUCELLA OVIS INFECTION I.AN EVALUATION OF MICROBIOLOGICAL, SERIOLOGICAL AND CLINICAL METHODS OF DIAGNOSIS IN THE RAM.
K L Hughes P D Claxton
Australian Vet J 44(2):41-47 REF
Feb 1968 41.8 AU72
Biological assay, Brucella, Diagnosis, Serological tests, Sheep.

6635-69
RESISTANCE OF VACCINATED MICE TO TYPICAL AND ATYPICAL STRAINS OF COCCIDIOIDES IMMITIS.
M Huppert H B Levine S H Sun E T Peterson
J Bacteriol 94(4):924-927
Oct 1967 448.3 J82
Coccidioides immitis, Fungus diseases (animals), Immunity, Mice, Parasitism, Vaccines.

6636-69
LOCALIZATION OF P32 LABELED MYCOBACTERIUM TUBERCULOSIS IN FOWL ORGANISMS. (BU)
I Iordanov D Savov
Vet Med Nauk 5(8):75-80
1968 41.8 V6468
Bacterial diseases (animals), Culture media, Isotopes, Liver, Mycobacterium tuberculosis, Poultry diseases, Spleen. English and Russian summaries.

6637-69
IMMUNOGENIC PROPERTIES OF POLYVALENT AND ASSOCIATED EMULSION VACCINE AGAINST PARATYPHOID FEVER AND BRUCELLOSIS OF SHEEP. (RUS)
M M Ivanov T M Gionti
Veterinariya (12):72-74
Dec 1968 41.8 V6426
Brucellosis, Emulsions, Immunity, Livestock diseases, Properties, Salmonellosis, Sheep, Vaccines.

6638-69
RANIKHET DISEASE CAN BE CONTROLLED.
S G Iyer
Indian Farming 18(7):34-35,37
Oct 1968 22 IN283
Animal disease transmission, Diagnosis, Disease control, Newcastle disease, Poultry, Vaccines, Virus diseases (animals).

The diagnosis, transmission, control, and prevention of Ranikhet (Newcastle) disease in poultry are discussed.

6639-69
FELINE OSTEODYSTROPHY, ITS TREATMENT AND PREVENTION.
O F Jackson
S Afr Vet Med Ass J 39(4):27-29 REF
Dec 1968 41.8 SO8
Animal abnormalities, Bone diseases, Calcium, Cats, Deficiency diseases, Diet, Drug therapy, Osteodystrophy.

6640-69
ANTICOAGULANT RESISTANCE. (PART 2).
W B Jackson
Pest Contr 37(4):40-43 REF

Apr 1969 449.8 EX8
Animal genetics, Anticoagulants, Chemical control (pests), Coumarin, Feed additives, Immunology, Rodenticides, Toxicology, Warfarin.

6641-69
CULTURAL CHARACTERS AND SEROLOGICAL RELATIONSHIPS OF SOME MYCOPLASMAS ISOLATED FROM BOVINE SOURCES.
N C Jain D E Jasper J D Dellinger
J Gen Microbiol 49(3):401-410 REF
Dec 1967 448.3 J823
Bacteriology, Cattle, Livestock diseases, Mycoplasma, Serological tests.

6642-69
EARLY CHANGES IN BURSA OF FABRICIUS FROM MAREK'S DISEASE.
R M Jakowski T N Fredrickson R E Luginbuhl C F Helmboldt
Avian Dis 13(1):215-222
Feb 1969 41.8 AV5
Animal histology, Avian lymphomatosis, Chickens, Germ-free life, Microscopy, Poultry diseases, Virus diseases (animals).

6643-69
IMMUNIZATION AGAINST EAST COAST FEVER USING TICK INFECTIONS AND CHLORTETRACYCLINE.
W F H Jarrett H M Pirie N C C Sharp
Exp Parasitol 24(2):147-151
Apr 1969 436.8 EX7
Cattle, Chlortetracycline, Immunization, Theileria parva, Theileriasis.

6644-69
OVARIAN CYCLE IN COWS WITH IRREGULAR ESTRUS CYCLES. (POL)
L Jaskowski J Romaniuk L Walkowski
Pol Arch Weter 10(4):558-569 REF
1967 41.8 P76
Animal physiology, Corpus luteum, Dairy cattle, Estrus, Ovaries, Reproduction, Time. English and Russian summaries.

6645-69
INVESTIGATION ON THE VIRUSES OF THE ORPHAN TYPE OCCURING IN PIGS IN POLAND. III. PATHOGENIC PROPERTIES OF VIRUS L1. (POL)
T Jastrzebski J Buczek
Lublin Univ Mariae Curie Ann Sect Dd 22:39-45
1967 512 L96AD
Baby pigs, Colostrum, Livestock diseases, Swine, Virology, Virus diseases (animals). English and Russian summaries.

6646-69
HISTOPATHOLOGICAL EXAMINATION OF THE KIDNEYS OF A RAM WHO DIED OF A URETHRAL OBSTRUCTION DUE TO SEDIMENTOSIS. (FR)
M Jean-Blain G Van Haverbeke
Lyon soc Sci Vet Bull 69(5):407-408
1967 41.9 L99
Glomerulonephritis, Histology, Kidneys, Livestock diseases, Magnesium, Microscopy, Minerals, Nitrogen, Phosphorus, Rams, Sediments, Urethra.

6647-69
CORRELATION OF FOUR MASTITIS DETECTION TESTS WITH RESPECT TO THE LEUCOCYTE COUNT.
C Jensen L D Beck
J Milk Food Technol 32(1):18-19 REF
Jan 1969 44.8 J824
Correlation, Dairy cattle, Diagnosis, Leukocytes, Livestock diseases, Mastitis, Milk.

6648-69
REQUIREMENT OF TURKEY POULTS FOR BIOTIN AND EFFECT OF DEFICIENCY OF INCIDENCE OF LEG WEAKNESS IN DEVELOPING TURKEYS.
L S Jensen R Martinson
Poultry Sci 48(1):222-230
Jan 1969 47.8 AM33P
Animal nutrition, Avitaminosis, Biotin, Deficiency diseases, Turkeys.

6649-69
REMARKS ON THE RECEPTIVITY OF NEW BORN LAMBS TOWARDS THE FOOT-AND-MOUTH DISEASE VIRUS. (GE)
P Jivoin C Surdan
Arch Vet 2(2):21-29
1967 41.8 AR27
Autopsies, Colostrum, Foot-and-mouth disease virus, Histopathology, Lambs, Livestock diseases, Symptomatology, Viral vaccines, Virulence, Virus diseases (animals). English, French and Russian summaries.

6650-69
SCHIFF BASES OF 2-FORMYLQUINOXALINE-1,4-DIOXIDES AS GROWTH PROMOTERS AND SYSTEMIC AND NON-SYSTEMIC INFECTION CONTROL AGENTS IN ANIMALS. PATENT 3,433,871.
J D Johnston
Us Patent Office Offic Gaz 860(3):909
18 Mar 1969 156.65 OF2
Animal physiology, Disease control, Drug therapy, Formylquinoxaline-1,4-dioxide, 2-, Poultry diseases, Respiratory diseases, Sinusitis.

6651-69
THE INCIDENCE OF CLINICAL BABESIOSIS IN CATTLE IN QUEENSLAND.
L A Y Johnston
Australian Vet J 44(6):265-267
Jun 1968 41.8 AU72
Animal ecology, Babesia, Babesia argentina, Cattle, Climate, Ixodides, Livestock diseases, Piroplasmosis.

6652-69
THE COMPARATIVE METABOLISM OF ETHYLENE DIMETHANESULPHONATE AND ETHYLENE DIBROMIDE.
A R Jones K Edwards
Experientia 24(11):1100-1101 REF
15 Nov 1968 475 EX7
Animal physiology, Ethylene dibromide, Ethylene dimethanesulfonate, Metabolism, Neoplasms, Spermatogenesis. German abstract

6653-69
IN VIVO GROWTH AND DISTRIBUTION OF ANTHRAX BACILLI IN RESISTANT, SUSCEPTIBLE, AND IMMUNIZED HOSTS.
W J Jones F Klein J S Walker B G Mahlandt J P Dobbs Et Al
J Bacteriol 94(3):600-608 REF
Sep 1967 448.3 J82
Animal diseases, Anthrax, Bacillus anthracis, Guinea pigs, Immunity, Physiology, Rats.

6654-69
CENTRAL-NERVOUS-SYSTEM LESIONS OF SPONTANEOUS PASTEURELLA ANATIPESTIFER INFECTION IN DUCKLINGS.
B S Jortner R Porro L Leibovitz
Avian Dis 13(1):27-35 REF
Feb 1969 41.8 AV5
Central nervous system, Ducklings, Exudates, Infectious diseases, Leukocytes, Meningitis, Pasteurella anatipestifer, Poultry diseases, Tissue culture.

6655-69
PROPAGATION OF SWINE-FEVER VIRUS IN CELL CULTURE.
D V Joshi I P Singh
Indian J Vet Sci Anim Husb 38(3):399-404 REF
Sep 1968 41.8 IN22
Hog cholera, Kidneys, Swine, Testes, Tissue culture, Vaccines, Veterinary medicine, Virology, Virus diseases (animals).

6656-69
AN ENZOOTY OF STRANGLES CAUSED BY VIRUS A2 EQUI MIAMI 63 IN THE REGION OF LYON. (FR)
L Joubert G Garrigue R Maitre J Oudar
Lyon soc Sci Vet Bull 69(5):381-390 REF
1967 41.9 L99
Aerobacter aerogenes, Diagnosis, Epizootic diseases, Horses, Humans, Pseudomonas aeruginosa, Staphylococcus, Strangles (horses), Therapeutics, Virus diseases (animals).

6657-69
EXPERIMENTAL PASTEURELLA INFECTION IN NORMAL AND CHLOROPROMAZINE-PREMEDICATED COCKERELS, SUBJECTED TO HEAT STRESS.
T Juszkiewicz A Cakalowa B Stefaniakowa Z Madejski
Pol Arch Weter 10(4):601-614 REF
1967 41.8 P76
Chlorpromazine, Drug therapy, Heat, Livestock diseases, Pasteurella multocida, Poultry. Russian and Polish summaries.

6658-69
INFLUENCE OF VARIOUS STRAINS OF THE AUJESZKY VIRUS ON THE METABOLISM OF CELLS CULTURED IN VITRO. (POL)
A Kadziolka T Kostarz J Wawrzkiewicz
Lublin Univ Mariae Curie Ann Sect Dd 22:199-209 REF
1967 512 L96AD
Amino acids, Chicks, Culture media, Deoxyribonucleic acid, Embryos, Metabolism, Nitrogen, Pseudorabies, Virus diseases (animals). English and Russian summaries.

6659-69
REPRODUCTION OF TYPE 12 ADENOVIRUS IN HELA CULTURE CELLS. (RUS)
B Kalnina V Kuvichkin
Latv P Sr Zinat Akad Vestis 7(240):114-120 REF
1967 511 R442
Adenoviruses, Electron microscopy, Tissue culture, Virology. English summary.

6660-69
ATTEMPTS TO INDUCE RECOMBINANT SOMATIC CELLS IN CHICKEN ERYTHROCYTE CHIMAERAS BY REPEATED INJECTION OF WESTERN EQUINE ENCEPHALOMYELITIS VIRUS.
I Karakoz M Gresikova K Hala M Hasek
Folia Biol (praha) 15(2):81-86 REF
1969 442.8 F712
Antibodies, Chickens, Chimeras, Cytology, Erythrocytes, Hemagglutination-inhibition test, Serological tests, Tissue culture, Western equine encephalomyelitis virus.

6661-69
THE EFFECT OF SOCIAL AND ECONOMIC CHANGES IN THE PEOPLE'S REPUBLIC OF BULGARIA ON MORBIDITY FROM ANTHRAX.
G Kebedzhiev
J Hyg Epidemiol Microbiol Immunol 11(3):309-314
1967 448.8 J826
Anthrax, Cattle, Economic policy, Government aid, Human diseases, Vaccines.

6662-69
THE PROPHYLAXIS OF SO-CALLED MILK FEVER OF SOWS. (GE)
H Keller
Deut Tierarztl Wochensch 75(20):501-505 REF
15 Oct 1968 41.8 D482
Drug therapy, Livestock diseases, Milk fever, Swine. English summary

6663-69
AN UNUSUAL CASE OF PSEUOOMONAS CONJUNCTIVITIS IN A SIAMESE CAT.
K K Kellogg
Vet Med/small Anim Clin 64(3):216-217
Mar 1969 41.8 M69
Animal diseases, Cats, Conjunctivitis, Eyes, Infectious diseases, Pseudomonas aeruginosa.

6664-69
PATHOLOGY OF EXTRANASAL LESIONS IN EXPERIMENTAL INCLUSION-BODY RHINITIS OF PIGS.

D F Kelly
Res Vet Sci 8(4):472-478 REF
Oct 1967 41.8 R312
Inclusion-body rhinitis virus, Injections, Livestock diseases, Swine, Virus diseases (animals).

6665-69
EARLY ANTIBODY RESPONSE IN MICE TO EITHER INFECTION OR IMMUNIZATION WITH SALMONELLA TYPHIMURIUM.
K Kenny M Herzberg
J Bacteriol 93(3):773-778 REF
Mar 1967 448.3 J82
Antibodies, Biochemistry, Immunization, Mice, Salmonella typhimurium, Serological tests.

6666-69
TRANSMISSION OF CLASSICAL MAREK'S DISEASE BY AFFECTED AND CARRIER BIRDS.
S G Kenzy B R Cho
Avian Dis 13(1):211-214
Feb 1969 41.8 AV5
Animal vectors, Avian lymphomatosis, Birds, Chicks, Game fowl, Quail, Sparrows, Virus diseases (animals). Gamefowl chicks were used.

6667-69
ZOONOSES IN INDIA.
S S Khera
Indian Vet J 45(10):811-815 REF
Oct 1968 41.8 IN2
Brucellosis, Escherichia coli, Leptospirosis, Livestock diseases, Rabies, Salmonellosis, Veterinary medicine, Zoonoses.

6668-69
DIAGNOSIS OF COW MASTITIS BASED ON LEUKOCYTE COUNT IN MILK. (RUS)
N M Khilkevich
Veterinariya (12):91-92
Dec 1968 41.8 V6426
Cattle, Diagnosis, Leukocytes, Livestock diseases, Mastitis, Milk.

6669-69
EPERYTHROZOONOSIS IN SWINE: A REVIEW.
K Kingsley C M Hibbs
Vet Med/small Anim Clin 63(10):971-972 REF
Oct 1968 41.8 M69
Antibiotics, Drug therapy, Eperythrozoon suis, Eperythrozoonosis, Livestock diseases, Reviews, Swine.

6670-69
THE EFFECT OF QUATERNARY AMMONIUM COMPOUNDS ON NEWCASTLE DISEASE VIRUS AND PARAINFLUENZA VIRUS. (GE)
H Kirchhoff
Deut Tierarztl Wochensch 75(7):160,163-165 REF
01 Apr 1968 41.8 D482
Myxoviruses, Newcastle disease virus, Parainfluenza-1 virus, Quaternary ammonium compounds, Virology, Virus diseases (animals). English summary.

The ammonium compounds tested were Absonal, Bradosol, Cetyltrimethylammoniumbromid, Phemerol, Quartamon Mefarol, and Zephirol.

6671-69
ANIMAL LEPTOSPIROSIS IN PRIMORYE. (RUS)
E A Kiryanov
Veterinariya (12):70-72
Dec 1968 41.8 V6426
Animal diseases, Cattle, Leptospirosis.

6672-69
EXPERIMENTAL PARATUBERCULOSIS IN SHEEP AFTER ORAL, INTRATRACHEAL, OR INTRAVENOUS INOCULATION: LESIONS AND DEMONSTRATION OF ETIOLOGIC AGENT.
J P Kluge R S Merkal W S Monlux A B Larsen K E Kopecky F K Ramsey R P Lehmann
Amer J Vet Res 29(5):953-962 REF
May 1968 41.8 AM3A
Histology, Injections, Johne's disease, Mycobacterium paratuberculosis, Sheep.

6673-69
SIMULTANEOUS PROPHYLACTIC VACCINATIONS OF SWINE AGAINST HOG CHOLERA AND PASTEURELLOSIS. (RUS)
V F Klyanenko
Veterinariya (12):74-75
Dec 1968 41.8 V6426
Hog cholera, Immunization, Livestock diseases, Pasteurellosis, Swine.

6674-69
EXPERIMENTAL INFECTION OF THE BAT MYOTIS MYOTIS BORKHAUSEN WITH THE TAHYNA VIRUS.
J M Kolman Z Marhoul D Malkova
J Hyg Epidemiol Microbiol Immunol 11(1):125-126
1967 448.8 J826
Animal vectors, Bats, Serological tests, Tahyna virus.

6675-69
GANGRENOUS MASTITIS IN EWES. II. CHARACTERISTICS OF THE STAPHYLOCOCCI, ISOLATED FROM HEALTHY EWES AND FROM EWES AFFECTED WITH GANGRENOUS MASTITIS. (BU)
G Korukov
Vet Med Nauk 5(8):51-58 REF
1968 41.8 V6468
Bacterial diseases (animals), Bacteriology, Epizootic diseases, Gangrene, Isolates, Mastitis, Sheep, Staphylococci. English and Russian summaries.

6676-69
DIAGNOSIS AND SPREAD OF THE SUBCLINICAL FORMS OF MASTITIS IN COWS. (BU)
L Kostov T Dzhurov
Vet Med Nauk 5(3):51-58 REF
1968 41.8 V6468
Cattle, Diagnosis, Disease transmission, Livestock diseases, Mastitis. English and Russian summaries.

6677-69
CONTROL OF MAREK'S DISEASE BY THE USE OF INOCULATED CHICKEN EMBRYO FIBROBLASTS.
S D Kottaridis R E Luginbuhl
Nature 221(5187):1258-1259 REF
29 Mar 1969 472 N21
Avian lymphomatosis, Chickens, Embryos, Immunity, Interference phenomenon, Poultry diseases, Tissue culture, Virus diseases (animals).

6678-69
MAREK'S DISEASE: A REVIEW.
S D Kottaridis
Worlds Poultry Sci J 25(18JAN-MAR):35-45 REF
1969 47.8 W89
Avian lymphomatosis, Poultry diseases, Reviews, Virus diseases (animals).

6679-69
ABORTION IN CATTLE ASSOCIATED WITH THE FEEDING OF POULTRY LITTER.
D C Kradel L C Griel E W Wickersham
Cornell Vet 59(2):226-235
Apr 1969 41.8 C81
Abortion, Cattle, Feed supplements, Fertilizers, Hormones, Livestock diseases, Manures, Poultry.

6680-69
ARTHRITIS IN CHICKENS DUE TO STAPHYLOCOCCUS AUREUS.
S Krishnaswamy A S Upadhye R D Nanjiah R F Patil
Mysore J Agr Sci 2(3):219-225 REF
1968 S19.M9
Antibiotics, Arthritis, Chickens, Drug therapy, Joint diseases, Poultry diseases, Staphylococcus aureus.

6681-69
THE DETECTION OF THE ECPO VIRUS ANTIGEN IN TISSUE CULTURE WITH THE AID OF FLUORESCENT ANTIBODIES. (BU)
S Kristov V Serbezov
Vet Med Nauk 5(5):29-32
1968 41.8 V6468
Antigens, Baby pigs, Embryos, Enteric cytopathogenic porcine orphan virus, Fluorescent antibody technic, Tissue culture, Virus diseases (animals). English and Russian summaries.

6682-69
ON THE EMPLOYMENT OF EGG YOLK IN IMMUNOFLUORESCENT DIAGNOSIS OF ANTHRAX. (CZ)
V Kubin J Franek
Cesk Epidemiol Mikrobiol Imunol 16(3):152-155
May 1967 448.8 C332
Anthrax, Bacillus anthracis, Diagnosis, Egg yolks, Immunofluorescence. Russian and English abstracts.

6683-69
A FORMALINIZED AND ADJUVANTED RABIES VACCINE OF TISSUE CULTURE ORIGIN.
C J Kucera D C Sandvig A F Johnson
Vet Med/small Anim Clin 63(10):983
Oct 1968 41.8 M69
Dogs, Immunization, Rabies virus, Tissue culture, Vaccines, Virology, Virus diseases (animals).

6684-69
HISTOLOGIC FEATURES OF ATHEROGENESIS AND AORTIC RUPTURE IN TURKEYS.
H J Kurtz
Amer J Vet Res 30(2):243-249
Feb 1969 41.8 AM3A
Animal histology, Aorta, Atherogenesis, Chickens, Hernia, Poultry diseases, Turkeys, Ulcers.

6685-69
AN INVESTIGATION INTO BOVINE ANAPLASMOSIS WITH COMPLEMENT FIXATION TEST (CFT). (BU)
N Kyurtov Y Denev P Penev
Vet Med Nauk 5(7):23-27 REF
1968 41.8 V6468
Anaplasma marginale, Anaplasmosis, Antibodies, Antigens, Cattle, Complement fixation, Diagnosis, Livestock diseases. English and Russian summaries.

6686-69
ON PYROPLASMODIAS IN SHEEP AND GOATS. II. RESEARCH INTO ANAPLASMOSIS. (BU)
N Kyurtov
Vet Med Nauk 5(8):81-86 REF
1968 41.8 V6468
Anaplasmosis, Bacterial diseases (animals), Biological assay, Blood tests, Complement fixation, Goats, Microscopy, Piroplasmosis, Sheep, Spleen. English and Russian summaries.

6687-69
STATISTICAL ANALYSIS OF BLOOD SERUM COMPOSITION, URINE EXCRETION LEVELS AND THE OCCURRENCE OF UROLITHIASIS IN SHEEP.
W O Lamprecht J G Darroch H R Crookshank
J Anim Sci 28(5):714-716 REF
May 1969 49 J82
Animal diseases, Blood serum, Excretion, Sheep, Statistical analysi s, Urinary calculi, Urolithiasis.

6688-69
CYTOLYTIC PLASMA FACTOR IN EXPERIMENTAL COCCIDIOIDOMYCOSIS.
J W Landau V D Newcomer
J Bacteriol 94(4):919-923 REF
Oct 1967 448.3 J82
Coccidioidomycosis, Cytology, Guinea pigs, Leukocytes, Lysis.

6689-69
OVINE ANTI-BRUCELLOSIS SEROLOGY. VACCINE AND INFECTIOUS ANTIBODIES. SERUMS NEGATIVE TO THE SERO-AGGLUTINATION OF WRIGHT AND POSITIVE TO COMPLEMENT DEVIATION. (FR)
J Le Pennec
Soc Vet Prat France Bull Mens 51(2):94-114 REF
Feb 1967 41.9 SO12
Agglutination test, Antibodies, Brucellosis, Complement fixation, Coombs' test, Immunochemistry, Infectious diseases, Livestock diseases, Serological tests, Serum agglutination, Sheep, Tables (data), Vaccines.

6690-69
EFFECT OF A SOLUBLE FRACTION OF OIL SEED MEALS ON UPTAKE OF 65ZN FROM CA.MG.65ZN.PHYTATE COMPLEXES BY THE CHICK'.
J G Lease
J Nutr 96(1):126-138 REF
Sep 1968 389.8 J82
Blood composition, Calcium, Casein, Chemurgy, Chicks, Dialysis, Digestion, Ions, Magnesium, Phytates, Sesame, Soybean meal, Zinc.

6691-69
URINE-RETENTION CAUSED BY A PERIURETHAL LEIOMYOMA, IN A FEMALE DOG. (FR)
A Lebeau
Acad Vet France Bull 41(1):53-54
Jan 1968 41.9 R24
Animal histology, Dogs, Neoplasms, Surgery, Urine.

6692-69
CONTRIBUTION TO THE STUDY OF UTERINE DYSPLASIAS OF FUNCTIONAL ORIGIN IN DOGS. (0R)
R Lefeuvre
Alfort Ecole Nat Vet These (78):54P REF
1968 41.2 AL23
Animal diseases, Dogs, Dysplasia, Endometrium, Uterus.

6693-69
STUDY OF THE INSECTICIDAL ACTION OF TRANS-CHRYSANTHEMATE ALLETRHOLONE ON MUSCA DOMESTICA. (FR)
J Lhoste J Lambert F Rauch
Paris Acad Agr France Compt Rend Hebd Seances 53(9):686-691
1967 14 P215BC
Insect metabolism, Insect physiology, Insecticides, Musca domestica, Pyrethrum.

6694-69
METASTATIC UTERINE ADENOCARCINOMA IN THE COW. (A RECOGNIZABLE CLINICAL ENTITY).
D R Lingard E O . Dickinson
Vet Med/small Anim Clin 64(3):234-236
Mar 1969 41.8 M69
Adenocarcinoma, Cattle, Livestock diseases, Metastasis, Uterus.

6695-69
RHEUMATOID ARTHRITIS IN A DOG.
S K Liu P F Suter C A Fisher H D Dorfman
Amer Vet Med Ass J 154(5):495-502 REF
01 Mar 1969 41.8 AM3
Arthritis, Dogs, Joint diseases, Radiography.

6696-69
STUDIES ON THE EFFECTIVENESS OF FOX DEN FUMIGATION FOR RABIES CONTROL IN THE DISTRICT OF WOLGAST. (GE)
H Loepelmann
Monatsh Vet 23(3):81-86 REF
01 Feb 1968 41.8 M742
Animal diseases, Badgers, Foxes, Fumigation, Phosphine, Predatory animals, Rabies, Soil moisture, Sulfur dioxide. English and Russian summaries.

6697-69
PATHOGENETIC THERAPEUTICS IN CASES OF COW MASTITIS. (RUS)
D D Loginov
Veterinariya (12):92-94
Dec 1968 41.8 V6426
Cattle, Livestock diseases, Mastitis, Microorganisms, Therapeutics.

6698-69
BOVINE LEUKAEMIA. A REPORT OF FOUR CASES.
L N Loomis
Australian Vet J 44(6):270-274 REF
Jun 1968 41.8 AU72
Cattle, Hematology, Leukemia, Livestock diseases.

6699-69
DIARRHOEA IN PIGS.
R K Loveday
Farming S Afr 44(8):9,11,23
Nov 1968 24 SO842
Deficiency diseases, Diarrhea, Drug therapy, Escherichia coli, Infectious diseases, Livestock diseases, Swine.

6700-69
LONG-TERM STUDIES OF RENAL FUNCTION IN CANINE LEPTOSPIROSIS.
D G Low G W Mather D R Finco N V Anderson
Amer J Vet Res 28(124):731-739 REF
May 1967 41.8 AM3A
Dogs, Kidneys, Leptospira icterohaemorrhagiae.

6701-69
RESULTS OF MICROBIOLOGICAL EXAMINATION OF RESERVOIR ANIMALS IN THE WEST SLOVAKIA REGION FOR TULAREMIA. (CZ)
J Lysy D Gurycova
Cesk Epidemiol Mikrobiol Imunol 16(4):222-227 REF
Jul 1967 448.8 C332
Animal diseases, Animal vectors, Epizootic diseases, Pasteurella tularensis, Rodents, Tularemia, Wildlife. Russian and English abstracts.

6702-69
THE CONTROL OF CONTAGIOUS ABORTION.
F H Manley
Rhodesian Farmer 39(3):13
31 May 1968 24 R347
Bacterial diseases (animals), Brucellosis, Cattle, Disease control, Infectious diseases, Livestock diseases, Symptomatology.

6703-69
HISTOCHEMICAL PREMISES TO THE STUDY OF THE ADRENAL MEDULLARY TUMORS OF CATTLE. (IT)
P S Marcato
Nuova Vet 43(6,NOV-DEC):629-634 REF
1967 41.8 N922
Adrenal glands, Animal histology, Bone marrow, Catechol amines, Cattle, Histochemistry, Livestock diseases, Neoplasms. English, French and German summaries.

6704-69
PLASMODIUM BRASILIANUM IN COLUMBIAN MONKEYS.
C J Marinkelle E S Grose
Trop Geogr Med 20(3):276-280 REF
Sep 1968 448.8 D65
Animal diseases, Malaria, Malaria control, Monkeys, Parasitism, Plasmodium. French summary

6705-69
THE HISTOPATHOLOGY OF ACTINOMYCOSIS. (SP)
A A Martinez
Oviedo Univ Fac Vet Leon An 13(13):47-51
1967 41.9 OV4
Actinomycosis, Fungus diseases (animals), Histopathology. English and French summaries.

6706-69
VAGINAL PAPILLOMA OF THE CAT. (IT)
A Marusi
Nuova Vet 43(6,NOV-DEC):640-644
1967 41.8 N922
Animal diseases, Cats, Neoplasms, Papilloma, Symptomatology, Vagina. English, French and German summaries.

6707-69
SAFETY AND COMPATIBILITY OF SULFADIMETHOXINE POTENTIATED MIXTURE (RO 5-0013), A NEW BROAD SPECTRUM COCCIDIOSTAT-ANTIBACTERIAL, IN CHICKENS.
W L Marusich E Ogrinz M Brand M Mitrovic
Poultry Sci 48(1):217-222
Jan 1969 47.8 AM33P
Chickens, Coccidiosis, Drug therapy, Poultry diseases, Sulfadimethoxine.

6708-69
ABORTION IN SHEEP AND CATTLE ASSOCIATED WITH BACILLUS SPP.
R W Mason B L Munday
Australian Vet J 44(6):297-298
Jun 1968 41.8 AU72
Abortion, Bacillus, Cattle, Livestock diseases, Sheep.

6709-69
THE DIAGNOSIS OF EUROPEAN SWINE FEVER. (GE)
G Matschullat
Deut Tierarztl Wochensch 75(7):172-174
01 Apr 1968 41.8 D482
Diagnosis, Hog cholera, Immunofluorescence, Swine. English summary.

6710-69
PREVALENCE OF SINDBIS VIRUS ANTIBODIES IN AN EGYPTIAN RURAL COMMUNITY.
V Mayer A T Hanna M H Wahdan J S Mohamed K El-Dawla
J Hyg Epidemiol Microbiol Immunol 11(1):1-4
1967 448.8 J826
Antibodies, Human diseases, Immunity, Sindbis virus, Virus diseases (animals).

6711-69
SURVEY OF DAIRY HERDS IN THE MOSS VALE DISTRICT OF NEW SOUTH WALES. I. DISEASE WASTAGE.
T J McClure A E Dowell
Australian Vet J 44(12):536-542
Dec 1968 41.8 AU72
Dairy cattle, Economics, Livestock diseases, Surveys.

Diseases of reproduction and lactation were most important affecting adult cattle while parasitism, malutrition/exposure and gastroenteritis are most important in young stock.

6712-69
STAPHYLOCOCCUS EPIZOOTIC IN WESTERN OREGON COTTONTAILS.
R H McCoy F Steenbergen
Wildlife Dis Ass Bull 5(1):11
Jan 1969 41.9 W64B
Blood tests, Epizootic diseases, Infectious diseases, Rabbits, Staphylococcus aureus, Wildlife diseases.

6713-69
PROPERTIES OF THE IN VITRO SOLUBLE RNA METHYLASE ACTIVITY OF HAMSTER TUMORS INDUCED BY ADENOVIRUS-12.
E S McFarlane
Can J Microbiol 15(2):189-192 REF
Feb 1969 448.8 C162
Adenoviruses, Culture media, Hamsters, Neoplasms, Properties, Ribonucleic acid, Virus diseases (animals).

6714-69
A MYCOPLASMA ASSOCIATED WITH OVINE ORCHITIS.

P K Mcllwain F M Bolin
Amer J Vet Res 28(124):885-887
May 1967 41.8 AM3A
Biochemistry, Inflammation, Mycoplasma, Sheep, Testes.

6715-69
VACCINATION OF CATTLE AGAINST EPIZOOTIC BOVINE ABORTION.
D G McKercher E A Robinson E M Wada J K Saito C E Franti
Cornell Vet 59(2):211-226
Apr 1969 41.8 C81
Abortion, Cattle, Epizootic diseases, Immunology, Livestock diseases, Viral vaccines.

6716-69
CAUSE AND PREVENTION OF EPIZOOTIC BOVINE ABORTION.
D G McKercher
Amer Vet Med Ass J 154(10):1192-1196 REF
15 May 1969 41.8 AM3
Abortion, Antibiotics, Cattle, Chlorotetracycline, Diagnosis, Epizootic diseases, Infectious diseases.

6717-69
CASSIA OCCIDENTALIS TOXICOSIS IN CATTLE.
H D Mercer F C Neal J A Himes G T Edds
Amer Vet Med Ass J 151(6):735-741 REF
15 Sep 1967 41.8 AM3
Cassia occidentalis, Cattle, Poisonous plants, Toxicology.

6718-69
ON ANTIBODY METABOLISM IN PIGS AND CALVES, FOLLOWING THE APPLICATION OF HOMOLOGOUS AND HETEROLOGOUS SPECIFIC GAMMA-GLOBULINS. (BU)
K Mermerski K Haralambiev S Simeonov M Iotov S Peshev
Vet Med Nauk 5(8):23-29 REF
1968 41.8 V6468
Animal metabolism, Antibodies, Calves, Gamma globulins, Preventive medicine, Pseudorabies, Swine, Virus diseases (animals). English and Russian summaries.

6719-69
ELECTRON MICROSCOPY STUDY OF THE LOCALIZATION OF ANTIGENS IN A VIRULENT AND AN AVIRULENT STRAIN OF FRANCISELLA TULARENSIS, USING MERCURY-LABELLED ANTIBODIES.
I C Meshcryakova L N Katz I B Favlova A Y Kulberg
J Hyg Epidemiol Microbiol Immunol 11(2):147-150
1967 448.8 J826
Antigens, Bacterial diseases (animals), Electron microscopy, Mercury, Pasteurella tularensis, Rabbits, Serological tests.

6720-69
HEREDITY AND BREEDING MEASURES TAKEN AGAINST HIP JOINT DYSPLASIA OF THE DOG. (GE)
H Meyer
Kleintier-praxis 13(2):41-45
Mar 1968 41.8 K67
Animal breeding, Animal genetics, Dogs, Dysplasia, Hereditary diseases, Hip joint.

6721-69
FOOT-AND-MOUTH DISEASE IN ENGLAND.
N L Meyer
Amer Vet Med Ass J 154(10):1226-1229
15 May 1969 41.8 AM3
Agricultural legislation, Cattle, Epizootic diseases, Foot-and-mouth disease, Livestock diseases.

6722-69
A HEMOLYTIC NEONATAL DISEASE IN SWINE ASSOCIATED WITH BLOOD GROUP INCOMPATIBILITY.
R C Meyer B A Rasmusen J Simon
Amer Vet Med Ass J 154(5):531-537 REF
01 Mar 1969 41.8 AM3
Baby pigs, Blood analysis, Blood groups, Hematologic diseases, Hemolytic anemia.

6723-69
DIETARY HEPATIC NECROSIS ASSOCIATED WITH SELENIUM-VITAMIN E DEFICIENCY IN SWINE.
R L Michel C K Whitehair K K Keahey
Amer Vet Med Ass J 155(1):50-59 REF
01 Jul 1969 41.8 AM3
Deficiency diseases, Diet, Necrosis, Selenium, Swine, Vitamin e.

6724-69
THE ISOLATION OF LEPTOSPIRA SEJROE FROM THE KIDNEYS OF ABORTING CATTLE.
S W Michna R S F Campbell M C Path
Vet Rec 84(4):83-86 REF
25 Jan 1969 41.8 V641
Abortion, Antibodies, Brucella abortus, Cattle, Kidneys, Leptospira sejroe, Livestock diseases, Nephritis, Serological tests, Vibrio fetus.

6725-69
SALMONELLOSIS IN SHEEP. I. PRODUCTION OF A COMPLEX ANTIGEN AND SOME OF ITS CHEMICAL AND SEROLOGICAL FEATURES. (BU)
M Milanov
Vet Med Nauk 5(8):7-14 REF
1968 41.8 V6468
Amino acids, Antigens, Bacterial diseases (animals), Chromatography, Saccharides, Salmonellosis, Serological tests, Sheep. English and Russian summaries.

6726-69
ANTICOCCIDIAL ACTIVITY OF SULFADINETHOXINE POTENTIATED MIXTURE (RO 5-0013) IN CHICKENS.
M Mitrovic E G Schildknecht G Fusick
Poultry Sci 48(1):210-216
Jan 1969 47.8 AM33P
Chickens, Coccidiosis, Drug therapy, Feed additives, Poultry diseases, Sulfadimethoxine.

6727-69
SPECIFIC ACTIVATION OF THE PROPERDIN SYSTEM IN ORIENTATION EXPERIMENTS FOR A THERAPEUTIC CONTROL OF BOVINE LEUKOSIS. (GE)
H Mohlmann H Schutzler G Zimmermann
Monatsh Vet 23(18):698-700 REF
15 Sep 1968 41.8 M742
Cattle, Leukosis, Livestock diseases, Properdin, Therapeutics. English and Russian summaries.

6728-69
MYXOVIRUSES OF ANIMALS. (FR)
J P Moine
Alfort Ecole Nat Vet These (69):145P REF
1967 41.2 AL23
Livestock diseases, Myxoviruses, Poultry diseases, Virology, Virus diseases (animals).

6729-69
VIRAL ETIOLOGY OF THE BOVINE LYMPHOLEUKOSIS.
F Montemagno
Acta Med Vet 14(1/2,JAN-APR):3-5
1968 41.8 AC84
Animal histology, Cattle, Diagnosis, Etiology, Hematology, Leukosis, Livestock diseases, Lymph nodes, Virology, Virus diseases (animals).

6730-69
BOVINE BRUCELLOSIS AND INFECTIOUS ABORTION. (SP)
G G Morales
Soc Antioquena Agr Bol Agr (573):11.092-11.094
01 Apr 1968 9.4 SO1
Brucella abortus, Brucellosis, Diagnosis, Human diseases, Immunization, Livestock diseases.

6731-69
TRANSFORMATION OF CHICK FIBROBLAST CULTURES WITH AVIAN MYELOBLASTOSIS VIRUS.
C Moscovici M G Moscovici M Zanetti
J Cell Compar Physiol 73(2):105-108
Apr 1969 444.8 J822
Avian myeloblastosis virus, Chick embryos, Cytology, Tissue culture.

6732-69
CATABOLITE REPRESSION IN ESCHERICHIA COLI. A STUDY OF TOW HYPOTHESES.
V Moses M D Yudkin
Biochem J 110(1):135-142 REF
Nov 1968 382 B52
Bacteria, Enzymes, Escherichia coli, Glucose, Lactose, Metabolism, Mutation, Proteins, Ribonucleic acid, Synthesis, Tables (data).

6733-69
CANINE NOCARDIOSIS DUE TO NOCARDIA CAVIAE.
I E Mostafa L Cerny J Cerna
Rev Elevage Med Vet Pays Trop (N s)21(2):181-189 REF
1968 41.8 R3262
Animal diseases, Animal histology, Dogs, Nocardia caviae, Nocardiosis. French and Spanish summaries.

6734-69
INCIDENCE OF UDDER INFECTIONS ARISING AT VARIOUS STAGES OF LACTATION OF COWS.
E Munch-Petersen
Australian Vet J 44(12):543-549
Dec 1968 41.8 AU72
Antibiotics, Bacterial diseases (animals), Cattle, Epidemiology, Lactation, Livestock diseases, Milk analysis, Udders.

6735-69
ELECTRON MICROSCOPIC OBSERVATIONS OF INCLUSION BODIES IN SWINEPOX. (GE)
M Nakamatsu M Goto M Morita
Jap J Vet Sci 30(5):289-297 REF
Oct 1968 41.8 J27
Electron microscopy, Inclusion bodies, Livestock diseases, Swinepox, Virology, Virus diseases (animals). English summary.

6736-69
EFFECTS OF SALMONELLA SENFTENBERG INJECTION ON CHICKS HATCHED FROM EGGS IN TREATMENT OF TESTOSTERONE PROPIONATE.
T Nakamura H Hashimoto
Hiroshima Univ Fac Fish Anim Husb J 7(2):217-221 REF
Sep 1968 22.5 H6122
Antibodies, Bacteria, Chicks, Eggs, Hatching, Infectious diseases, Propionates, Salmonella senftenberg, Testosterone. Japanese summary.

6737-69
A NEW INFLUENZA A VIRUS INFECTION IN TURKEYS. IV. EXPERIMENTAL SUSCEPTIBILITY OF DOMESTIC BIRDS TO VIRUS STRAIN TURKEY/ONTARIO 7732/1966.
O Narayan G Lang B T Rouse
Arch Gesamte Virusforsch 26(1-2):149-165 REF
Feb 1969 448.3 A R23
Influenza viruses, Poultry diseases, Turkeys.

6738-69
A NEW INFLUENZA A VIRUS INFECTION IN TURKEYS. V. PATHOLOGY OF THE EXPERIMENTAL DISEASE BY STRAIN TURKEY/ONTARIO 7732/66.
O Narayan G Lang B T Rouse
Arch Gesamte Virusforsch 26(1-2):166-182
Feb 1969 448.3 AR23
Animal histology, Influenza viruses, Poultry diseases, Turkeys.

6739-69
METABOLIC SUBSTANCES OF STAPHYLOCOCCUS AUREUS OF BOVINE UDDER ORIGIN - A QUANTITATIVE STUDY.
C Natarajan P R Nilakantan
Indian J Vet Sci Anim Husb 38(3):443-448 REF
Sep 1968 41.8 IN22
Catalase, Cattle, Coagulase, Livestock diseases, Metabolism, Quantitative analysis, Staphylococcus aureus, Udders, Urease, Veterinary medicine.

6740-69
CONTRIBUTION TO THE TRAUMATIC SPLENITIS AND HEPATITIS IN CATTLE. (GE)
B Natscheff I Simoff
Deut Tierarztl Wochensch 75(20):506-508
15 Oct 1968 41.8 D482
Cattle, Feed, Foreign bodies, Hepatitis, Injuries, Livestock diseases, Spleen, Symptomatology. English summary.

6741-69
SPECIAL REFERENCE TO VIRAL AND P. P. L. O. INFECTIONS.
S K Nigam
Agra Univ J Res Sci 16(PT 1):183-184
Jan 1967 513 AG8
Chronic respiratory disease, Histology, Infectious bronchitis, Infectious laryngotracheitis, Pleuropneumonia-like organisms, Poultry, Respiratory diseases.

6742-69
A CASE OF PRURIGINOUS RABIES IN GOATS. (POR)
M R Nilsson M Alberto M A da Se Portugal
Biologico 33(2):38-40 REF
Feb 1967 442.8 B529
Diagnosis, Goats, Inclusion bodies, Livestock diseases, Rabies. English abstract.

6743-69
DIAGNOSIS OF RABIES. WHAT IS NECESSARY IN THE FIELD LABORATORY. (POR)
M R Nilsson
Biologico 33(1):21-23 REF
Jan 1967 442.8 B529
Diagnosis, Rabies.

6744-69
A COMPARATIVE STUDY OF MORPHOLOGIC CHANGES WITHIN HEP-2 CULTURE CELLS INOCULATED WITH VARIOUS ADENOVIRUS SEROTYPES. (RUS)
S Nitavskaya
Latv P Sr Zinat Akad Vestis 7(240):121-127 REF
1967 511 R442
Adenoviruses, Animal morphology, Immunization, Microbiology, Tissue culture.

6745-69
FIBRINOUS COLITIS IN PIGS. (NO)
K Nordstoga F Saxegaard E Johannessen
Nord Veterinaermed 20(9):487-494 REF
Sep 1968 41.8 N813
Colitis, Disease transmission, Fibrin, Intestines, Mucous membrane, Swine. German and English summaries.

6746-69
ESTABLISHMENT AND CHARACTERIZATION OF A FELINE NEUROFIBROSARCOMA (FNFS) CELL LINE.
F Noronha K M Lee
Cornell Vet 59(2):326-340
Apr 1969 41.8 C81
Biological assay, Cats, Cells, Cytogenetics, Fibrosarcoma, Neoplasms, Neurofibroma, Tissue culture, Virus diseases (animals).

6747-69
CRYSTALLINE INCLUSIONS IN BACILLUS THURINEIENSIS.
J R Norris H M Proctor
J Bacteriol 98(2):824-826
May 1969 448.3 J82
Bacillus thuringiensis, Bacteriophages, Cytology, Electron microscopy, Inclusion bodies.

6748-69
INCIDENCE OF BOVINE COCCIDIA IN WESTERN OREGON.
P A Nyberg D H Helfer S E Knapp
Helminthol Soc Wash Proc 34(1):13-14 REF
Jan 1967 436.9 H36
Cattle, Coccidiosis, Eimeria, Surveys.

6749-69
ASPERGILLOSIS IN JAPANESE QUAIL.
L D Olson
Avian Dis 13(1):225-227
Feb 1969 41.8 AV5
Aspergillosis, Aspergillus fumigatus, Culture media, Epizootic diseases, Microscopy, Mycosis, Poultry diseases, Quail.

6750-69
VARIATION IN CONCENTRATION AND COMPOSITION OF TOXIC ALKALOIDS AMONG STRAINS OF PHALARIS TYBERISA L.
R N Oram J D Williams
Nature 213(5079):946-947
Mar 1967 472 N21
Alkaloids, Biological assay, Feed toxicity, Phalaris tuberosa, Poisonous plants, Sheep, Toxicology.

6751-69
A STUDY OF EXPERIMENTAL ORNITHOSIS IN THE WHITE MOUSE INFECTED THROUGH THE PERITONEAL CAVITY. (FR)
J Orfila A Lepinay
Inst Pasteur Ann 116(1):111-120 REF
Jan 1969 448.3 AN75
Complement fixation, Dosage, Immunity, Mice, Ornithosis, Symptomatology, Virus diseases (animals). English summary.

6752-69
STUDIES ON MYCOPLASMA OF RATS. I. OBSERVATION OF MYCOPLASMA IN THE RESPIRATORY SYSTEM OF RATS. (JA)
Y Oshima Y Osada M Ogata
Jap J Vet Sci 30(5):265-274
Oct 1968 41.8 J27
Mycoplasma, Rats, Respiratory diseases. English summary.

6753-69
EVIDENCE FOR CONVERSION OF DDT TO TDE IN RAT LIVER: II. CONVERSION OF P,P'DDT TO P,P'TDE IN AXENIC RATS.
A Ottoboni R Gee R L Stanley M E Goetz
Bull Environ Contam Toxicol 3(5,SEP-OCT):302-308 REF
1968 RA1270.P35A1
Animal physiology, Biochemistry, DDT, Liver, Rats.

6754-69
EFFECTS OF FREEZING ON AFRICAN HORSE-SICKNESS VIRUS.
Y Ozawa S Bahrami
Arch Gesamte Virusforsch 25(2):201-210
Dec 1968 448.3 AR23
African horse sickness virus, Culture media, Freezing, Salts, Virulence.

6755-69
ANTIBODY RESPONSE IN ANIMALS IMMUNIZED WITH DIFFERENT TYPES OF ANTHRAX VACCINE.
A Palit P R Nilakantan
Indian J Vet Sci Anim Husb 38(3):431-442 REF
Sep 1968 41.8 IN22
Anthrax vaccines, Antibodies, Immunization, Serological tests, Veterinary medicine.

6756-69
OUTBREAK OF INFLUENZA A/EQUI 2 IN ITALY. (IT)
A Paltrinieri R Farina A Ceccarelli E Salutini A Buonaccorsi
Nuova Vet 44(4,JUL-AUG):199-214 REF
Jul 1968 41.8 N922
Enzymes, Epidemiology, Equine influenza, Horses, Myxoviruses, Serum, Virus diseases (animals). French and English summaries.

6757-69
INFLUENCE OF A PAPILLOMA VACCINE ON CHRONIC BOVINE ENZOOTIC HEMATURIA.
A M Pamukcu C Olson S K Goksoy
Cancer Res 27(11, PT 1):2197-2200 REF
Nov 1967 448.8 C16
Cattle, Hematuria, Histopathology, Livestock diseases, Papilloma viruses, Vaccines.

6758-69
HISTOPLASMIC (HISTOPLASMA CAPSULATUM) INFECTION IN A HORSE.
R J Panciera
Cornell Vet 59(2):306-312
Apr 1969 41.8 C81
Histoplasma capsulatum, Histoplasmosis, Horses, Livestock diseases, Mycosis.

6759-69
AN ASSESSMENT OF EIMERIAN LESIONS IN BUFFALO-CALVES (BUBALUS BUBALIS) AND THEIR SIGNIFICANCE.
B P Pande B B Bhatia P P S Chauhan R K Garg
Indian J Vet Sci Anim Husb 38(3):449-454 REF
Sep 1968 41.8 IN22
Buffaloes, Coccidiosis, Parasitism, Protozoa, Veterinary medicine.

6760-69
SEROLOGICAL INVESTIGATIONS INTO Q-FEVER IN SHEEP. (BU)
S Pandurov
Vet Med Nauk 5(3):33-39 REF
1968 41.8 V6468
Complement fixation, Livestock diseases, Q fever, Sheep. English and Russian summaries.

6761-69
BEWARE OF BRUCELLOSIS.
R C Pathak
Indian Farming 18(7):39
Oct 1968 22 IN283
Abortion, Agricultural legislation, Bacterial diseases (animals), Brucellosis, Cattle, Epizootic diseases, Serological tests.

Brucellosis is discussed as a veterinary health problem in India. Diagnostic symptoms and precautionary measures are given.

6762-69
IDENTIFICATION OF ENTEROCOCCI IN CHICKEN LIVERS. (SP)
B S Perez M C Gutierrez A G Diaz
Oviedo Univ Fac Vet Leon An 13(13):423-428 REF
1967 41.9 OV4
Bacterial diseases (animals), Chickens, Cysts, Liver, Streptococcus faecalis. English and French summaries.

6763-69
SALMONELLA TYPHIMURIUM INFECTION IN DAIRY COWS.
K J Peterson R E Coon
Amer Vet Med Ass J 151(3):344-350 REF
01 Aug 1967 41.8 AM3
Bacterial diseases (animals), Dairy cattle, Milk production, Pathology, Salmonella typhimurium.

6764-69
ELECTRONMICROSCOPICAL ASPECTS OF MYCOPLASMA AGALACTIAE.
A Petrescu N Grigoriu M de Simon R Iftimovici
Arch Vet 2(2):63-69 REF
1967 41.8 AR27
Bacteriology, Electron microscopy, Mycoplasma agalactiae. French, German and Russian summaries.

6765-69
THE INCREASE OF CONTAGIOUS ECTHYMA IN THE STATE OF SAO PAULO. (POR)
N S Piegas M R Nilsson F M Rodrigues F B N Farinha

Biologico 33(1):18-20
Jan 1967 442.8 B529
Ecthyma, Goats, Livestock diseases. English abstract.

6766-69
STUDIES ON THE FLUORESCENT AND NEUTRALIZING ANTIBODIES TO BLUETONGUE VIRUS IN SHEEP.
A Pini H Ohder A P Whiteland L J Lund
Arch Gesamte Virusforsch 25(2):129-136
Dec 1968 448.3 AR23
Antibodies, Bluetongue virus, Fluorescent antibody technic, Serum neutralization test, Sheep.

6767-69
THE ROLE OF THE HYPOPHYSEAL-SUPRARENAL SYSTEM IN THE ETIOPATHOGENESIS OF PRIMARY KETOSIS IN CATTLE. (POL)
E Pinkiewicz B Robaj
Lublin Univ Mariae Curie Ann Sect Dd 22:129-150 REF
1967 512 L96AD
Adrenal cortex hormones, Adrenal glands, Animal histology, Cattle, Corticotropin, Hormones, Ketosis, Livestock diseases, Pituitary gland. English and Russian summaries.

6768-69
THE INCREASE OF THE INCIDENCE OF FOOT-AND-MOUTH DISEASE IN THE STATE OF SAO PAULO IN 1966. (POR)
A A Pinto O Suga L P Netto
Biologico 33(2):42-43
Feb 1967 442.8 B529
Foot-and-mouth disease, Livestock diseases.

6769-69
INVESTIGATIONS ON THE INCIDENCE OF RINDERPEST VIRUS INFECTION IN GAME ANIMALS OF N. TANGANYIKA AND S. KENYA 1960/63.
W Plowright B McCulloch
J Hyg 65(3):343-358 MAP REF
Sep 1967 449.8 J82
Animal diseases, Rinderpest virus, Serological tests, Surveys, Wildlife.

6770-69
TRICHOPHYTOSIS PROPHYLAXIS BY FEEDING. (RUS)
S I Plyashchenko V T Sidorov A I Aleksandrova
Veterinariya (12):69-70
Dec 1968 41.8 V6426
Feeding, Livestock diseases, Preventive medicine, Ringworm.

6771-69
SALMONELLA IN THE STARLING (STURNUS VULGARIS). (FR)
P Pohl J Thomas
Ann Med Vet 112(8):704-711 REF
Dec 1968 41.8 AN78
Disease transmission, Salmonella, Starlings. English, German and Flemish summaries.

6772-69
SYNTHESIS OF SATURATED LONG CHAIN FATTY ACIDS FROM SODIUM ACETATE-I-C14 BY MYCOPLASMA.
J D Pollack M E Tourtellotte
J Bacteriol 93(2):636-641 REF
Feb 1967 448.3 J82
Biochemistry, Carbon isotopes, Fatty acids, Mycoplasma, Radioactive tracers, Sodium acetate.

6773-69
PREPARATION OF STABLE NONINFECTIVE INFLUENZA VIRUS ANTIGENS FOR TYPING BY HEMAGGLUTINATION-INHIBITION.
J R Polley
Can J Microbiol 15(2):203-207
Feb 1969 448.8 C162
Allantoin, Antigens, Gamma rays, Hemagglutination-inhibition test, Human diseases, Immunochemistry, Influenza viruses, Virus diseases (animals).

6774-69
A STUDY OF THE RELATIONSHIP BETWEEN THE SEROLOGICAL SALMONELLA TYPES ISOLATED FROM HUMANS AND FROM FOODSTUFFS. (FR)
M Popovici L Szegli L Soare M Negut V Raicev Et Al
Arch Gesamte Virusforsch 26(2):345-352
Jun 1967 448.3 AR22
Epidemiology, Food contamination, Human diseases, Salmonella, Serological tests. Russian, German, and English abstracts

6775-69
STUDIES ON INFECTIOUS LARYNGOTRACHEITIS (ILT) VIRUS OF POULTRY. I. ISOLATION AND IDENTIFICATION OF THE VIRUS.
I J Prasad B S Malik
Indian J Vet Sci Anim Husb 38(3):410-414
Sep 1968 41.8 IN22
Infectious laryngotracheitis virus, Poultry diseases, Serological tests, Veterinary medicine, Virology.

6776-69
STUDIES ON INFECTIOUS LARYNGOTRACHEITIS (ILT) VIRUS OF POULTRY. II. SURVEY OF THE INFECTION BY IMMUNODIFFUSION TEST.
I J Prasad B S Malik
Indian J Vet Sci Anim Husb 38(3):415-417
Sep 1968 41.8 IN22
Immunodiagnosis, Infectious laryngotracheitis virus, Poultry diseases, Serological tests, Veterinary medicine, Virology.

6777-69
CHANGES IN PERMEABILITY OF THE MUCOSA DURING INTESTINAL COCCIDIOSIS INFECTIONS IN THE FOWL.
R A Preston-Mafham A H Sykes
Experientia 23(11):972-973
15 Nov 1967 475 EX7
Animal physiology, Dyes, Eimeria acervulina, Intestines, Permeability, Poultry diseases.

6778-69
PRE-DISPOSING FACTORS IN MASTITIS. III. GENETIC INFLUENCES ON UDDER HEALTH. (GE)
A Probst J Behringer F Kiermeier
Zuchtungskunde 40(4,JUL-AUG):248-253 REF
1968 49 Z8
Animal genetics, California mastitis test, Cattle, Heredity, Livestock diseases, Mastitis. English, French and Russian summaries.

6779-69
RINDERPEST PROTECTION IN CATTLE BY MEASLES VIRUS. APPLICATION IN CALVES WITH PASSIVE IMMUNITY FROM MATERNAL ANTIBODIES. (FR)
A Provost Y Maurice C Borredon
Rev Elevage Med Vet Pays Trop (N s)21(2):145-164 REF
1968 41.8 R3262
Antibodies, Cattle, Immunity, Livestock diseases, Measles virus, Rinderpest, Virology, Virus diseases (animals). English and Spanish summaries.

6780-69
THE USE OF AN AVIAN POLYVALENT VACCINE IN CENTRAL AFRICA. (FR)
A Provost C Borredon
Rev Elevage M ed Vet Pays Trop (N s)21(2):165-179 REF
1968 41.8 R3262
Avian leukosis complex, Fowl typhoid, Fowlpox, Newcastle disease, Poultry diseases, Vaccines.

6781-69
CENTRAL AFRICAN UTILIZATION OF A POLYVALENT AVARIAN VACCINE. (FR)
A Provost C Borredon
Rev Elevage Med Vet Pays Trop 21(2):165-179 REF
1968 41.8 R3262
Birds, Newcastle disease, Salmonellosis, Typhoid, Vaccines.

6782-69
RESISTANCE AGAINST CANINE DISTEMPER INDUCED BY MEASLES VIRUS. I. MEASLES VACCINATION IN THE PRESENCE OF DISTEMPER ANTIBODIES.
J Prydie
Vet Rec 83(22):554-559 REF
30 Nov 1968 41.8 V641
Antibodies, Canine distemper, Dogs, Immunization, Measles virus, Virology.

6783-69
ADAPTATION,CULTURING OF R. SIBIRICA IN RABBIT LICE AND PREPARATION OF A COMBINED ANTIGEN FOR DIAGNOSIS OF INFECTION. (RUS)
R A Pshenichnov E P Ivanova M I Gulvakova
Zhur Mikrobiol Epidemiol Immunobiol 4:73-75
1968 448.3 Z4
Agglut ination, Anoplura, Antigens, Biology, Culture media, Feeding, Morphology, Predaceous insects, Rickettsia. English summary

6784-69
AVIAN LEUKOSIS-SARCOMA VIRUSES AND ANTIBODY IN FIELD FLOCKS, AND THEIR RELATIONSHIP TO LEUKOSIS MORTALITY.
H G Purchase J J Solomon D C Johnson
Avian Dis 13(1):58-71 REF
Feb 1969 41.8 AV5
Antibodies, Avian leukosis complex viruses, Avian lymphomatosis, Biological assay, Immunity, Mortality, Rous sarcoma virus, Viremia, Virus diseases (animals).

6785-69
ACTION OF BAYER PREPARATION A 139 ON RABIES VIRUS.
I M Reda A A Shokeir A M Abdelaziz Y Z Habashy
J Hyg Epidemiol Microbiol Immunol 11(4):422-425 REF
1967 448.8 J826
Drug therapy, Mice, Rabies virus, Tissue culture, Vaccines.

6786-69
INFLUENCE OF FIXATION ON GROSS MORPHOLOGY OF MYCOPLASMA.
K Reuss
J Bacteriol 93(1):490-491
Jan 1967 448.3 J82
Formaldehyde, Morphology, Mycoplasma.

6787-69
A HEMAGGLUTINATION-INHIBITION TEST FOR MYCOPLASMA MELEAGRIDIS ANTIBODIES.
K R Rhoades
Avian Dis 13(1):22-26 REF
Feb 1969 41.8 AV5
Agglutination test, Antibodies, Antigens, Culture media, Embryos, Hemagglutination-inhibition test, Mycoplasma meleagridis, Phenol compounds, Poultry diseases, Serological tests, Turkeys.

6788-69
IMMUNOGLOBULIN DEVELOPMENT IN SERA OF PIGS INJECTED WITH KILLED SUSPENSIONS OF SALMONELLA CHOLERAESUIS.
C E Rice C L'Ecuyer
Cornell Vet 59(2):258-268 REF
Apr 1969 41.8 C81
Agglutination, Complement fixation, Culture media, Globulins, Immunology, Salmonella choleraesuis, Swine.

6789-69
A HISTOLOGIC STUDY OF MEDULLARY BONE OF LAYING HENS UNDER DIFFERENT DIET AND HOUSING CONDITIONS.
C Riddell C F Helmboldt E P Singsen
Avian Dis 13(1):163-170 REF
Feb 1969 41.8 AV5
Animal histology, Animal physiology, Bedding (livestock), Bone diseases, Calcium phosphates, Egg production, Feed, Phosphorus, Poultry houses.

6790-69
IDENTIFICATION OF A PIROPLASME FOUND WITH SUFFICIENT FREQUENCY IN OUR CATTLE. (SP)
I G Rodriguez
Spain Patronato Biol Anim Rev 11(3/4):45-56 REF
1967 49.9 SP16
Babesia, Bacterial diseases (animals), Blood, Cattle, Livestock diseases, Piroplasmosis, Spleen. English and French summaries.

6791-69
EFFECT OF CYTOSTATICS ON THE REPLICATION OF VACCINIA, PSEUDO-RABIES AND SINDBIS VIRUSES AND ON THE INTERFERON PRODUCTION BY TISSUE CULTURE CELLS.
I Rosztoczy I Mecs
Acta Microbiol 15(1):41-47 REF
04 Apr 1968 448.3 AC84
Biological assay, Cyclophosphamide, Deoxyribonucleic acid, Drug therapy, Interferon, Pseudorabies virus, Sindbis virus, Tissue culture, Vaccinia virus.

6792-69
TESTICLE HYPOPLASIA IN A BOAR OF THE GOTTINGER MINIATURE SWINE BREED. (GE)
E Roth D Schmidt
Deut Tierarztl Wochensch 75(24):627
15 Dec 1968 41.8 D482
Animal abnormalities, Boars, Hypoplasia, Livestock, Testes.

6793-69
EFFECTS OF AFLATOXIN BI ON POLYSOMAL PROFILES AND RNA SYNTHESIS IN RAT LIVER.
A K Roy
Biochim Biophys Acta 169(1):206-211 REF
20 Nov 1968 381 B522
Aflatoxin, Biochemistry, Carcinogens, Dosage, Inhibitors, Liver, Rats, Ribonucleic acid, Synthesis.

6794-69
COLOSTRAL IMMUNITY AGAINST SALMONELLA INFECTION IN CALVES.
W A Royal R A Robinson D M Duganzich
New Zeal Vet J 16(8/9,AUG-SEP):141-145 REF
1968 41.8 N483
Antibodies, Calves, Colostrum, Immunity, Infectious diseases, Livestock diseases, Salmonella typhimurium, Vaccines.

6795-69
EFFECTS OF RATION ENERGY LEVEL, VACCINATION, AND ANTIBIOTICS ON FEEDLOT PERFORMANCE OF RANGE LAMBS.
J L Ruttle C N Sundt
N Mex Agr Exp Sta Bull (537):20P
Oct 1968 100 N465 (1)
Animal nutrition, Antibiotics, Clostridium perfringens, Enterotoxemia, Feedlots, Immunization, Lambs.

6796-69
BOVINE HERPES MAMMILLITIS VIRUS. III. OBSERVATIONS ON EXPERIMENTAL INFECTION.
M M Rweyemamu R H Johnson M R McCrea
Brit Vet J 124(8):317-324 REF
Aug 1968 41.8 V643
Animal histology, Cattle, Herpesviruses, Laboratory animals, Udders, Virology, Virus diseases (animals). French, German and Spanish summaries.

6797-69
INTERACTION OF RUBIDIUM AND POTASSIUM IN CHICK DIETS.
L B Sasser E W Kienholz G M Ward
Poultry Sci 48(1):114-118
Jan 1969 47.8 AM33P
Animal nutrition, Chicks, Potassium, Rubidium, Toxicology.

6798-69
INTERSTATE TRANSPORTATION OF ANIMALS AND POULTRY. BRUCELLOSIS. DESIGNATION OF MODIFIED CERTIFIED BRUCELLOSIS AREAS, PUBLIC STOCKYARDS, SPECIFICALLY APPROVED STOCKYARDS, AND SLAUGHTERING ESTABLISHMENTS. MODIFIED CERTIFIED BRUCELLOSIS AREAS.
E E Saulmon
Fed Regist 34(102):8233
28 May 1969 L1.451
Brucellosis, Cattle, Interstate commerce, Livestock diseases, Regulations.

6799-69
SYNTHESIS OF RADIOACTIVE TRICHINELLA SPIRALIS LARVAL ANTIGEN IN VITRO.
H Savel C W Kim L D Hamilton
Exp Parasitol 24(2):171-175 REF
Apr 1969 436.8 EX7
Amino acids, Antigens, Guinea pigs, Larvae, Radioactive isotopes, Tissue culture, Trichinella spiralis.

6800-69
HERPESVIRUS IN MAREK'S DISEASE TUMORS.
G Schidlovsky K E Jensen M Ahmed
Science 164(3882):959-961 REF
23 May 1969 470 SCI2
Animal histology, Avian lymphomatosis, Chicks, Epizootic diseases, Herpesviruses, Neoplasms, Poultry diseases, Tissue culture, Virology, Virus diseases (animals).

6801-69
EPIDEMIC PROPHYLAXIS AND CONTROL OF INFECTIOUS DISEASES IN LARGE MODERN POULTRY FARMS. (GE)
D Schimmel
Monatsh Vet 23(18):681-685
15 Sep 1968 41.8 M742
Infectious diseases, Poultry diseases, Poultry industry, Veterinary medicine. English and Russian summaries.

6802-69
ON ANTIBIOTIC-ANTIMYCOTIC THERAPY IN CATTLE MASTITIS. (RUM)
O Schobesch L Ureche M Rusu
Rev Zootech 18(9):54-62 REF
Sep 1968 49 P943
Antibiotics, Cattle, Chloramphenicol, Drug therapy, Fungicides, Livestock diseases, Mastitis, Polyoxyethylene derivatives, Prednisone, Propylene glycol. English, French and Russian summaries.

6803-69
CONTRIBUTION TO ATROPHIC RHINITIS IN PIGS. (GE)
P Schoss
Deut Tierarztl Wochensch 75(24):625-630 REF
15 Dec 1968 41.8 D482
Atrophic rhinitis, Disease transmission, Etiology, Infectious diseases, Livestock diseases, Swine. English summary. continuation from preceding issue.

6804-69
THE INFLUENCE OF STREPTOCOCCI ON THE GENITALS AND FERTILITY OF THOROUGHBRED MARES. (GE)
J Schute
Hanover Tierarztl Hochsch Inang Diss (73):43P REF
1966 41.2 H198
Fertility, Livestock diseases, Reproduction, Reproductive organs, Sterility, Streptococcus, Thoroughbred horses.

6805-69
STUDIES ON GOAT-POX VIRUS. I. HOST RANGE PATHOGENICITY.
K C Sen N S Datt
Indian J Vet Sci Anim Husb 38(3):388-393
Sep 1 968 41.8 IN22
Goatpox virus, Goats, Livestock diseases, Veterinary medicine, Virology.

6806-69
STUDIES ON GOAT-POX VIRUS. II. SEROLOGICAL REACTIONS.
K S Sen N S Datt
Indian J Vet Sci Anim Husb 38(3):394-398
Sep 1968 41.8 IN22
Anaphylaxis, Goatpox virus, Immunology, Laboratory animals, Poxviruses, Serum neutralization test, Veterinary medicine.

6807-69
COLI DYSENTERY (COLIBACILLOSIS) OF SUCKLING PIGS. (GE)
W Senf
Monatsh Vet 23(19):744-750
01 Oct 1968 41.8 M742
Baby pigs, Bacterial diseases (animals), Colibacillosis, Escherichia coli, Immunization, Livestock diseases. English and Russian summaries.

6808-69
THE IN VITRO SENSITIVITY OF AVIAN SALMONELLA STRAINS TO 6 DRUGS. I. INVESTIGATION ON 1024 STRAINS ISOLATED 1945-1958.
O P Settues
Nord Veterinaermed 20(9):458-470 REF
Sep 1968 41.8 N813
Antibiotics, Drug resistance, Feed additives, Poultry, Salmonella. French and Danish summaries. the 6 drugs tested were: sulfamethizol, streptomycin, tetracycline, chloramphenicol, nifurazolidon and nitrofurmeton.

6809-69
EGG TRANSMISSION STUDIES OF TYPE II LEUKOSIS INFECTION (MAREK'S DISEASE).
M Sevoian
Vet Med/small Anim Clin 63(10):973-974
Oct 1968 41.8 M69
Avian lymphomatosis, Chick embryos, Eggs, Kidneys, Poultry diseases, Tissue culture.

6810-69
DETECTION OF COMPLEMENT FIXING ANTIBODY TO THE AGENTS OF TICK TYPHUS FEVER OF NORTHERN ASIA AND Q FEVER IN WILD ANIMALS OF THE EXTREME NORTH OF WESTERN SIBERIA. (RUS)
M S Shaiman N M Stolbov A A Chistyakov
Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):617
1968 448.8 M469
Antibodies, Complement fixation, Ixodidae, Parasitism, Piroplasmosis, Q fever, Wildlife diseases.

6811-69
TOXOPLASMA GONDII: TRANSMISSION THROUGH FECES IN ABSENCE OF TOXOCARA CATI EGGS.
H G Sheffield M L Melton
Science 164(3878):431-432
25 Apr 1969 470 SCI2
Animal vectors, Bacterial diseases (animals), Disease transmission, Feces, Mice, Parasitism, Temperature, Toxocara cati, Toxoplasmosis.

6812-69
WESTERN ENCEPHALITIS VIRUS IN ALBERTA.
J A Shemanchuk
Canada Agr 14(1,WINTER):24-25
1969 7 R31
Animal vectors, Birds, Culicidae, Encephalitis, Human diseases, Insect vectors, Virus diseases (animals).

6813-69
RELATION OF INFECTION TO TISSUE TEMPERATURE IN MICE INFECTED WITH MYCOBACTERIUM MARINUM AND MYCOBACTERIUM LEPRAE.
C C Shepard J A Habas
J Bacteriol 93(3):791-796 REF

Mar 1967 448.3 J82
Animal diseases, Mice, Mycobacterium, Physiology, Temperature, Tissues.

6814-69
OBSERVATIONS ON CROOKED CALF DISEASE.
J L Shupe L F James W Binns
Amer Vet Med Ass J 151(2):191-197
15 Jul 1967 41.8 AM3
Calves, Crooked calf disease, Etiology, Lupine, Pastures.

6815-69
LUPINE, A CAUSE OF CROOKED CALF DISEASE.
J L Shupe W Binns L F James R F Keeler
Amer Vet Med Ass J 151(2):198-203 REF
15 Jul 1967 41.8 AM3
Calves, Crooked calf disease, Lupine, Pathogenicity, Poisonous plants.

6816-69
THE OLFACTORY BULB LESION IN THE HIBERNATING SQUIRREL (CITELLUS LATERALIS) INFECTED WITH COXSACKIEVIRUS B-3. II. IMMUNOLOGICAL STUDY.
R Siboo E I Grodums
Can J Microbiol 15(2):197-202 REF
Feb 1969 448.8 C162
Antibodies, Coxsackie viruses, Fluorescent antibody technic, Gamma globulins, Hibernation, Immunology, Smell, Squirrels, Virus diseases (animals).

6817-69
FOWL POX INCLUSION-BODY FORMATION IN SKIN EPITHELIUM OF CHICKS.
C F Simpson
Avian Dis 13(1):89-100 REF
Feb 1969 41.8 AV5
Chicks, Cytology, Electron microscopy, Epithelium, Fowlpox, Illustrations, Inclusion bodies, Mitochondria, Poultry diseases, Skin, Virus diseases (animals).

6818-69
ANIMAL DISEASES AND PESTS.
C M Singh
Indian Farming 17(8):12-13
Nov 1967 22 IN283
Livestock diseases, Poultry diseases, Research, Vaccines.

In India, livestock and poultry diseases have received much research attention and vaccines have been developed for bacterial, viral, and other parasitic diseases.

6819-69
TUBERCULOSIS IN DUCKS.
G Singh T P Joshi J M Lall P K R Iyer
Indian J Vet Sci Anim Husb 38(3):424-430
Sep 1968 41.8 IN22
Agglutination test, Ducks, Poultry diseases, Tuberculin test, Tuberculosis, Veterinary medicine.

6820-69
PRACTICE OF PULLORUM DISEASE ERADICATION AT A POULTRY PLANT IN BAKU. (RUS)
M I Smirnov K S Gadzhiev
Veterinariya (12):75-76
Dec 1968 41.8 V6426
Poultry diseases, Poultry industry, Pullorum disease.

6821-69
ANTI-MICROBIAL DRUGS IN ANIMAL FEEDS.
H W Smith
Nature 218(5143):728-731 REF
25 May 1968 472 N21
Animal nutrition, Antibiotics, Bacteria, Drug therapy, Feed additives, Livestock diseases.

6822-69
AN OUTBREAK OF MALE FERN (DRYOPTERIS FILIX-MAS) POISONING.
P J Smyth
Irish Vet J (N s)22(4):69-71
Apr 1968 41.8 IR4
Animal nutrition, Cattle, Drug therapy, Dryopteris filixmas, Feed toxicity, Livestock diseases, Poisoning.

6823-69
DYNAMICS OF SALMONELLA INFECTION IN CHICKS REARED ON LITTER.
G H Snoeyenbos V L Carlson C F Smyser O M Olesiuk
Avian Dis 13(1):72-83
Feb 1969 41.8 AV5
Bedding (livestock), Chicks, Infectious diseases, Mortality, Poultry diseases, Salmonellosis, Serological tests.

6824-69
ISOLATION OF ARIZONA 7:1,7,8 FROM LITTER OF PENS HOUSING INFECTED TURKEYS.
G H Snoeyenbos C F Smyser
Avian Dis 13(1):223-224
Feb 1969 41.8 AV5
Bacteria, Bedding (livestock), Culture media, Paracolobactrum arizonae, Poultry houses, Turkeys.

6825-69
EXPERIMENTAL SALMONELLOSIS IN SWINE AND ITS CLINICAL-HEMATOLOGICAL CHARACTERISTICS. (2E)
D Sofrenovic J M Jovanovic L Miroslava
Vet Glas 22(10):841-847 REF
1968 41.8 J93
Baby pigs, Bacterial diseases (animals), Culture media, Hematology, Salmonella choleraesuis, Salmonellosis, Symptomatology. English and Russian summaries.

6826-69
FIELD OBSERVATION OF A MUCOSAL TYPE OF DISEASE AT AAREY MILK COLONY.
A D Sohoni A K Gudi S V Kukade
Gosamvardhana 16(9):31-32,30
Dec 1968 43.8 G69
Dairy cattle, Drug therapy, Livestock diseases, Mucosal disease, Virus diseases (animals).

6827-69
EFFECT OF THIABENDAZOLE ON OVINE POSTHITIS.
W H Southcott
Australian Vet J 44(11):526
Nov 1968 41.8 AU72
Bactericides, Livestock diseases, Posthitis, Sheep, Thiazolyl)-benzimidizole, 2-(4-.

6828-69
EFFECT OF PADDOCK SIZE, STOCKING RATE, ANTHELMINTICS, AND TRACE ELEMENTS ON THE WEIGHT GAIN OF YOUNG CATTLE.
W H Southcott M K Hill B R Watkin J L Wheeler
Australian Soc Anim Prod Proc 7:118-122
Feb 1968 49.9 AU72
Animal physiology, Anthelmintics, Cattle, Cobalt, Habitats, Methyridine, Micronutrients, Selenium, Thiazolyl)-benzimidizole, 2-(4-, Weights. Proceedings of Australian Society of Animal Production.

6829-69
THE CONTROL AND TREATMENT OF POSTHITIS.
W H Southcott
Pastoral Rev 78(7):613
18 Jul 1968 23 AU75
Animal nutrition, Antiseptics, Bacterial diseases (animals), Diet, Hormones, Livestock diseases, Posthitis, Sheep, Testosterone.

6830-69
EXPERIMENTAL TRANSMISSION OF HISTOMONAS MELEAGRIDIS AND HETERAKIS GALLINARUM BY THE SOWBUG, PORCELLIO SCABER, AND ITS IMPLICATIONS FOR FURTHER RESEARCH.
L A Spindler
Helminthol Soc Wash Proc 34(1):26-29
Jan 1967 436.9 H36
Epizootic diseases, Heterakis gallinarum, Histomonas meleagridis, Isopoda, Poultry diseases, Turkeys.

6831-69
A TETRAZOLIUM REDUCTION TEST TO EVALUATE THE VIABILITY OF STRAIN 19 VACCINES. (POR)
R Sprovieri D C Freitas
Biologico 33(2):31-34
Feb 1967 442.8 B529
Colorimetry, Lyophilization, Tetrazolium, Vaccines. English abstract.

6832-69
THE ROLE OF ESCHERICHIA COLI IN GASTROENTERITIS IN NEWLY-BORN CALVES IN THE DISTRICT OF TOLBUHIN. (BU)
T Stamatov
Vet Med Nauk 5(2):63-66
1968 41.8 V6468
Bacterial diseases (animals), Calves, Escherichia coli, Gastroenteritis, Livestock diseases. English and Russian summaries,

6833-69
DETECTION OF PSEUDORABIES VIRUS BY IMMUNOFLUORESCENCE.
W C Stewart E A Carbrey J I Kresse
Amer Vet Med Ass J 151(6):747-751
15 Sep 1967 41.8 AM3
Antigens, Baby pigs, Diagnosis, Immunofluorescence, Pseudorabies virus.

6834-69
EXPERIENCES AND IDEAS REGARDING CATTLE TUBERCULOSIS SANITATION IN A STATE PRACTITIONERS AREA. (GE)
G Strassburger
Monatsh Vet 23(18):689-692 REF
15 Sep 1 968 41.8 M742
Cattle, Disease transmission, Livestock diseases, Sanitation, Tuberculin test, Tuberculosis. English and Russian summaries.

6835-69
DESMOSTEROL AS A COMMON INTERMEDIATE IN THE CONVERSION OF A NUMBER OF C28 AND C29 PLANT STEROLS TO CHOLESTEROL BY THE TOBACCO HORNWORM.
J A Svoboda W E Robbins
Experientia 24(11):1131-1132 REF
15 Nov 1968 475 EX7
Cholesterol, Desmosterol, Manduca sexta, Plant physiology, Sterols. French abstract

6836-69
EVALUATION OF SEVERAL METHODS OF ISOLATING SALMONELLAE FROM POULTRY LITTER AND ANIMAL FEEDSTUFFS.
C F Symser G H Snoeyenbos
Avian Dis 13(1):134-141 REF
Feb 1969 41.8 AV5
Bedding (livestock), By-products, Culture media, Feed, Poultry diseases, Salmonella, Salmonella senftenberg.

6837-69
INFLUENCE OF SOME PREPARATIONS APPLIED INTO THE UDDER ON THE PH, MICROSCOPIC CELLULAR APPEARANCE, CALIFORNIA MASTITIS TEST AND ON THE CONTENT OF CATALASE AND CHLORIDES IN MILK. (POL)
S Tarkiewicz
Lublin Univ Mariae Curie Ann Sect Dd 22:245-262
1967 512 L96AD
Antibiotics, California mastitis test, Catalase, Chlorides, Glands (animals), Hydrogen-ion concentration, Microscopy, Milk, Udders. English and Russian summaries.

6838-69
AVIRULENT MUTANT OF AUJESZKY'S VIRUS, INDUCED BY 5-IODO-2-DEOXIURIDINE (IUDR). (BU)
G Tatarov
Vet Med Nauk 5(6):95-101 REF
1968 41.8 V6468
Idoxuridine, Mutation, Pseudorabies, Tissue culture, Virology, Virulence, Virus diseases (animals). English and Russian summaries

6839-69
THE EVALUATION OF THE METABOLIC-INHIBITION TECHNIQUE FOR THE STUDY OF MYCOPLASMA GALLISEPTICUM.
D Taylor-Robinson D M Berry
J Gen Microbiol 55(1):127-137 REF
Jan 1969 448.3 J823
Antimetabolites, Antiserum, Chickens, Immunology, Mycoplasma gallisepticum, Rabbits, Serological tests.

6840-69
STUDIES ON THE EPIZOOTIOLOGY OF RINDERPEST IN BLUE WILDEBEEST AND OTHER GAME SPECIES OF NORTHERN TANZANIA AND SOUTHERN KENYA, 1965-7.
W P Taylor R M Watson
J Hyg 65(4):537-545 REF
Dec 1967 449.8 J82
Epizootic diseases, Livestock diseases, Rinderpest, Wildlife.

6841-69
CYSTIC ENDOMETRIUM IN WESTERN AUSTRALIAN CATTLE.
R I Thain P B Lewis K J Austen
Australian Vet J 44(6):295-296
Jun 1968 41.8 AU72
Cattle, Cysts, Endometrium, Livestock diseases.

6842-69
THE SIGNIFICANCE OF DEEP LITTER FOR PROPHYLAXIS OF CHICKEN COCCIDIOSIS. (RUS)
A F Tolstopyatenko
Veterinariya (12):100-102
Dec 1968 41.8 V6426
Bedding (livestock), Coccidiosis, Poultry diseases, Sanitation.

6843-69
COMPARATIVE STUDY OF THE AUJESZKY VIRUS AND OF THE HERPES SIMPLEX VIRUS BY THE IMMUNO-FLUORESCENCE METHOD. II. KINETIC STUDY OF THE HERPES SIMPLEX VIRUS BY THE IMMUNO-FLUORESCENCE METHOD. (FR)
V Toneva
Clin Vet 91(9):279-286 REF
Sep 1968 41.8 C61
Antibodies, Antigens, Fluorescence, Herpes simplex, Pseudorabies, Virology, Virus diseases (animals). Italian summary.

6844-69
EXPERIMENTAL STUDIES ON BOVINE TICK-BORNE FEVER. I. CLINICAL AND HAEMATOLOGICAL DATA, SOME PROPERTIES OF THE CAUSATIVE AGENT, AND HOMOLOGOUS IMMUNITY.
J Tuomi
Acta Pathol Microbiol Scand 70(3):429-445 MAP REF
1967 448.3 AC8
Cattle, Electron microscopes, Epidemiology, Immunity, Livestock diseases, Piroplasmosis, Serum, Sheep, Symptomatology.

6845-69
TGE PREVENTION YOUR GOAL.
N R Underdahl M J Twiehaus C A Mebus
Nebr Univ Ext Ec (69-219):19-20
Jan 1969 275.29 N272EX
Baby pigs, Disease control, Immunology, Infectious diseases, Livestock diseases, Symptomatology, Transmissible gastroenteritis, Virus diseases (animals).

6846-69
BIOCHEMISTRY OF AFLATOXINS.
S D Varma I S Yadava
J Nutr Dietics 5(1):87-89 REF
Jan 1968 QP141.A1J6
Agricultural products, Animals, Aspergillus flavus, Biochemistry, Feed, Metabolism, Penicillium, Plant extracts.

6847-69
NEURAMINIDASE ACTIVITY OF THE NEWCASTLE DISEASE VIRUS. I. A STUDY OF THE ENZYME ACTIVITY IN DIFFERENTLY CULTIVATED STRAINS. (BU)
L Vasileva
Vet Med Nauk 5(8):39-43 REF
1968 41.8 V6468
Enzymes, Hydrogen-ion concentration, Newcastle disease virus, Serum, Substrates, Virology, Virus diseases (animals). English and Russian summaries

6848-69
THE CANINE LEPTOSPIROSES. (FR)
P Vaugien
Patre (154):23
Jun 1968 45.8 P272
Bacterial diseases (animals), Dogs, Immunization, Leptospira canicola, Leptospira icterohaemorrhagiae, Leptospirosis, Symptomatology.

6849-69
HYPERCALCEMIA AND GASTRO-DUODENAL ULCERATIONS. (FR)
H Verine M Barbier J P de Roissard
Lyon soc Sci Vet Bull 69(5):417-426 REF
1967 41.9 L99
Animal diseases, Calcification (physiological), Digestion, Dogs, Duodenum, Gastrointestinal system, Ulcers.

6850-69
NOTES ON THE SPONTANEOUS PATHOLOGY OF THE DOG IN THE LABORATORY. 2ND NOTE: HEMATOMA OF THE SPLEEN. (FR)
H Verine M Chrzanowska
Acad Vet France Bull 41(1):29-33
Jan 1968 41.9 R24
Dogs, Hematology, Microscopy, Neoplasms, Spleen.

6851-69
NOTES ON THE SPONTANEOUS PATHOLOGY OF THE DOG IN THE LABORATORY. 1ST NOTE: LEIOMYOSARCOMA OF THE MESENTERY IN A FEMALE DOG. (FR)
H Verine M Chrzanowska S Botev
Acad Vet France Bull 41(1):25-28
Jan 1968 41.9 R24
Animal histology, Diagnosis, Dogs, Drug therapy, Metastasis, Neoplasms.

6852-69
A PRELIMINARY REPORT ON THE INCIDENCE OF INFECTIOUS LARYNGOTRACHEITIS (ILT) OF POULTRY BY GEL-DIFFUSION TEST.
K C Verma B S Malik
Indian J Vet Sci Anim Husb 38(3):405-409
Sep 1968 41.8 IN22
Agglutination test, Epidemiology, Infectious laryngotracheitis, Poultry diseases, Serological tests, Veterinary medicine, Virus diseases (animals).

6853-69
OCCURRENCE OF INFECTIOUS BRONCHITIS OF POULTRY IN INDIA.
K C Verma G R Singh C M Singh
Indian J Vet Sci Anim Husb 38(3):418-423 REF
Sep 1968 41.8 IN22
Chickens, Embryos, Infectious bronchitis, Poultry diseases, Respiratory diseases, Serum neutralization test, Veterinary medicine.

6854-69
PATHOMORPHOLOGICAL STUDIES ON RABBITS AND GUINEA-PIGS EXPERIMENTALLY INFECTED WITH THE VIRUS OF AUJESZKY'S DISEASE. (BU)
A Vesselinova
Vet Med Nauk 5(5):17-27 REF
1968 41.8 V6468
Central nervous system, Guinea pigs, Laboratory animals, Pseudorabies, Rabbits, Tissue culture, Virus diseases (animals). English and Russian summaries.

6855-69
AN AUTORADIOGRAPHIC AND IMMUNOFLUORESCENT STUDY OF THE INFECTIOUS CYCLE OF SHEEPPOX VIRUS IN CELL CULTURES EXPOSED TO 5-FLUORODEOXYURIDINE.
J Vigario A Terrinha J Nunes A Bastos D Marques Et Al
Arch Gesamte Virusforsch 25(3-4):321-329 REF
Dec 1968 448.3 AR23
Autoradiography, Cells, Deoxyribonucleic acid, Floxuridine, Immunofluorescence, Sheep, Sheeppox virus, Tissue culture.

6856-69
THE TRANSMISSION OF WEST EQUINE ENCEPHALOMYELITIS VIRUS FROM CHICKEN TO CHICKEN BY CULEX PIPIENS (SAY). (SP)
L J Villa C B de P Arrieta A E M Vega
Argent Repub Inst Nac Zoonosis Ser Tec (N s)(11):97-103 REF
1962 41.9 AR36
Chickens, Culex pipiens, Disease transmission, Epizootic diseases, Equine encephalomyelitis, Insect vectors, Poultry diseases, Virus diseases (animals). English summary. reprint from: Revista de Investigaciones ganaderas, (13).

6857-69
ROLE OF CALCIUM IN THE NUTRITIONAL ETIOLOGY OF A METABOLIC DISORDER IN RUMINANTS FED A HIGH GRAIN RATION.
P E Vipperman R L Preston L D Kintner W H Pfander
J Nutr 97(4,PT 1):449-462 REF
Apr 1969 389.8 J82
Animal nutrition, Calcium, Cattle, Corn, Deficiency diseases, Diet, Lambs, Livestock diseases, Metabolism, Phosphorus.

6858-69
VIRUS HEPATITIS OF DUCKS. 6. COMMUNICATION: PASSIVE IMMUNIZATION OF DUCKLINGS BY VACCINATING PARENT DUCKS. (GE)
G Wachendorfer G Schoop
Deut Tierarztl Wochensch 75(7):165-171 REF
01 Apr 1968 41.8 D482
Ducklings, Ducks, Immunization, Vaccines, Virus hepatitis. English summary.

6859-69
ACTION OF BACTERIAL ENDOTOXINS ON THE BLOOD CIRCULATION SYSTEM WITH CONSIDERATION OF THE RELATIONS TO ENTEROTOXEMIA (EDEMA DISEASE) OF THE SWINE. (GE)
W Wachtel
Monatsh Vet 23(19):750-757 REF
01 Oct 1968 41.8 M742
Bacterial diseases (animals), Blood circulation, Endotoxins, Enterotoxemia, Livestock diseases, Swine, Symptomatology. English and Russian summaries.

6860-69
TEMPERATURE RESPONSE IN ANIMALS INFECTED WITH BACILLUS ANTHRACIS.
J S Walker F Klein R E Lincoln A L Fernelius
J Bacteriol 94(3):552-556 REF
Sep 1967 448.3 J82
Animal diseases, Anthrax, Bacillus anthracis, Temperature.

6861-69
EXPERIMENTAL TRANSMISSION OF SHEEP PULMONARY ADENOMATOSIS (IJAAGSIEKTE).
J G Wandera
Vet Rec 83(19):478-482 REF
09 Nov 1968 41.8 V641

Disease transmission, Jaagziekte, Microscopy, Respiratory diseases, Sheep.

6862-69
HEMATOLOGICAL RESPONSE OF DIFFERENT STOCKS OF CHIKENS TO IRON-COPPER DEFICIENT DIET.
K W Washburn
Poultry Sci 48(1):204-209 REF
Jan 1969 47.8 AM33P
Anemia, Animal nutrition, Chickens, Copper, Deficiency diseases, Hematology, Iron.

6863-69
STUDIES ON THE INTRAOCULAR INOCULATION OF DOGS WITH VARIOUS STRAINS OF LEPTOSPIRES. (JA)
S Watanabe
Kagoshima Univ Fac Agr Bull 18:193-197 REF
Feb 1968 107.6 K114B
Dogs, Eyes, Horses, Injections, Leptospirosis, Livestock diseases. English summary.

6864-69
BIOCHEMICAL AND BIOPHYSICAL CHARACTERISTICS OF VESICULAR EXANTHEMA VIRUS AND THE VIRAL RIBONUCLEIC ACID.
J Wawrzkiewicz C J Smale F Brown
Arch Gesamte Virusforsch 25(3-4):337-351 REF
Dec 1968 448.3 AR23
Biochemistry, Culture media, Electron microscopy, Physiology, Radioactive isotopes, Ribonucleic acid, Swine, Tissue culture, Vesicular exanthema virus (swine).

6865-69
INFLUENCE OF SULFUR ON INCIDENCE OF WHITE MUSCLE DISEASE IN LAMBS.
P D Whanger O H Muth J E Oldfield P H Weswig
J Nutr 97(4,PT 1):553-561 REF
Apr 1969 389.8 J82
Animal nutrition, Diet, Lambs, Livestock diseases, Methionine, Selenium, Sulfur, White muscle disease.

6866-69
MECHANISMS OF PATHOGENESIS IN LISTERIA MONOCYTOGENES INFECTION. III. CARBOHYDRATE METABOLISM.
M S Wilder C P Sword
J Bacteriol 93(2):538-543 REF
Feb 1967 448.3 J82
Animal diseases, Animal metabolism, Biochemistry, Carbohydrates, Listeria monocytogenes, Mice.

6867-69
POLIOENCEPHALOMALACIA: RESPONSE TO THIAMINE TREATMENT IN SHEEP AND A COW.
J S Wilkinson
Australian Vet J 44(11):525
Nov 1968 41.8 AU72
Cattle, Encephalomalacia, Livestock diseases, Pyruvic acid, Sheep, Thiamine.

6868-69
SALMONELLA PENETRATION OF THE OUTER STRUCTURES OF WHITE- AND SPECKLED-SHELL TURKEY EGGS.
J E Williams L H Dillard
Avian Dis 13(1):203-210
Feb 1969 41.8 AV5
Abnormalities, Culture media, Salmonella typhimurium, Turkey eggs.

6869-69
USE OF A SCANNING ELECTRON MICROSCOPE FOR THE EXAMINATION OF ACTINOMYCETES.
S T Williams F L Davies
J Gen Microbiol 48(2):171-177 REF
Aug 1967 448.3 J823
Actinomycetes, Electron microscopy, Morphology.

6870-69
RELATIONSHIP OF AFLATOXIN TO EPIZOOTICS OF TOXIC HEPATITIS AMONG ANIMALS IN SOUTHERN UNITED STATES.
B J Wilson P A Teer G H Barney F R Blood
Amer J Vet Res 28(126):1217-1230 REF
Sep 1967 41.8 AM3A
Aflatoxicosis, Aspergillus, Dogs, Epizootic diseases, Hepatitis, Swine.

6871-69
GROWTH AND RESPIRATION OF MONOLAYER CELL CULTURES OF CHICK EMBRYO HEART AND SKELETAL MUSCLE: ACTION OF MALATHION AND MALAOXON.
B W Wilson H O Stinnett
Soc Exp Biol Med Proc 130(1):30-34 REF
Jan 1969 442.9 SO1
Chickens, Heart, Malathion, Muscles, Physiology, Respiration.

6872-69
CELL CULTURE TECHNIQUES FOR PRIMARY ISOLATION OF MAREK'S DISEASE-ASSOCIATED HERPESVIRUS.
R L Witter J J Solomon G H Burgoyne
Avian Dis 13(1):101-118 REF
Feb 1969 41.8 AV5
Animal histology, Avian lymphomatosis, Biological assay, Cells, Chickens, Chicks, Dosage, Ducks, Herpesviruses, Kidneys, Poultry diseases, Tissue culture, Virus diseases (animals).

6873-69
EVIDENCE FOR A HERPESVIRUS AS AN ETIOLOGIC AGENT OF MAREK'S DISEASE.
R L Wittler G H Burgoyne J J Solomon
Avian Dis 13(1):171-184 REF
Feb 1969 41.8 AV5
Avian lymphomatosis, Biological assay, Chicks, Herpesviruses, Poultry diseases, Tissue culture, Virus diseases (animals).

6874-69
CATTLE BLOAT IN SOUTHERN NEW ENGLAND, N.S.W. 1961-66.
E C Wolfe
Australian Soc Anim Prod Proc 7:1 23-128
Feb 1968 49.9 AU72
Bloat, Cattle, Clover, Environment, Livestock diseases. Proceedings of Australian Society of Animal Production.

6875-69
MULTIPLICATION AND DIFFERENTIATION OF TRYPANOSOMA CRUZI IN AN INSECT CELL CULTURE SYSTEM.
D E Wood A C Pipkin
Exp Parasitol 24(2):176-183 REF
Apr 1969 436.8 EX7
Biology, Blood, Cells, Insect cultures, Mice, Tissue culture, Trypanosoma cruzi.

6876-69
EFFECT OF EXOGENOUS PROGESTERONE ON CORPORA LUTEA IN UNILATERALLY HYSTERECTOMIZED HEIFERS.
C O Woody O J Ginther
J Anim Sci 27(5):1387-1390
Sep 1968 49 J82
Animal physiology, Cattle, Corpus luteum hormones, Hysterectomy, Progesterone.

6877-69
ADRENAL NEOPLASMS IN SLAUGHTERED CATTLE.
B J Wright G H Conner
Cancer Res 28(2):251-263
Feb 1968 448.8 C16
Adrenal glands, Animal diseases, Animal histology, Animal physiology, Cattle, Neoplasms.

6878-69
THE INFLUENCE OF CORTISONE AND LOW ENVIRONMENTAL TEMPERATURE ON EXPERIMENTAL INFECTIOUS CANINE HEPATITIS IN THE GUINEA-PIG.
N G Wright
Res Vet Sci 8(4):450-453
Oct 1967 41.8 R312
Cold, Cortisone, Guinea pigs, Inclusion bodies, Infectious canine hepatitis, Injections, Virus diseases (animals).

6879-69
STUDY OF THE TRANSFER OF AMINO ACIDS FROM AMINOACYL TRANSFER RIBONUCLEIC ACID INTO PROTEIN BY RIBOSOMES FROM UREDOSPORES OF THE BEAN RUST FUNGUS.
Z Yaniv R C Staples
Boyce Thompson Inst Contrib 24(5,OCT-DEC):103-108 REF
Dec 1968 451 B69
Amino acids, Plant biochemistry, Proteins, Ribonucleic acid, Ribosomes, Rust, Spores, Uromyces phaseoli.

6880-69
THE IMPALA AS A SOURCE OF FOOD AND BY-PRODUCTS. DATA ON PRODUCTION POTENTIAL, PARASITES AND PATHOLOGY OF FREE-LIVING IMPALAS OF THE KRUGER NATIONAL PARK.
E Young L J J Wagner
S Afr Vet Med Ass J 39(4):81-86 REF
Dec 1968 41.8 SO8
Animal diseases, Echinococcosis, Infectious diseases, Parasitism.

6881-69
LONG COMPLEMENT FIXATION TEST FOR LEPTOSPIROSIS DIAGNOSIS. (RUS)
A S Zaichenko
Veterinariya (12):106-108
Dec 1968 41.8 V6426
Complement fixation, Diagnosis, Leptospirosis.

6882-69
HYPOVITAMINOSIS A AND HYPOMAGNESAEMIA OF SWINE. (RUS)
I P Zapadnyuk M V Senvak
Veterinariya (12):88-89
Dec 1968 41.8 V6426
Deficiency diseases, Hypomagnesemia, Livestock diseases, Swine, Vitamin a.

6883-69
INVESTIGATIONS OF ANTIVIRAL SUBSTANCES PRESENT IN NORMAL HORSE AND CALF SERA.
E Zilka L Kawaklova G Vicari I Archetti
Arch Gesamte Virusforsch 25(2):177-187 REF
Dec 1968 448.3 AR23
Calves, Enteroviruses, Horses, Immunochemistry, Serological tests, Serum.

6884-69
THALLIUM POISONING IN DOGS.
B C Zook C E Gilmore
Amer Vet Med Ass J 151(2):206-217 REF
15 Jul 1967 41.8 AM3
Dogs, Histopathology, Poisoning, Poisons, Thallium.

6885-69
INVESTIGATIONS ON THE VIRUSES OF THE ORPHAN TYPE OCCURRING IN PIGS IN POLANND. V. HISTOPAPHOLOGICAL CHANGES IN THE CENTRAL NERVOUS SYSTEM OF PIGLETS INFECTED WITH VIRUS L1. (POL)
T Zulinski T Jastrzebski J Buczek
Lublin Univ Mariae Curie Ann Sect Dd 22:55-60
1967 512 L96AD
Baby pigs, Brain, Central nervous system, Encephalomyelitis, Livestock diseases, Swine, Virus diseases (animals). English and Russian summaries.

6886-69
THE FEEDING HABITS OF THE YELLOW MONGOOSE, CYNICTIS PENICILLATA, THE SURICATE, SURICATA SURICATTA AND THE CAPE GROUND SQUIRREL, XERUS INAURIS. I. ANALYSIS OF STOMACH CONTENTS 2. OBSERVATIONS ON FREE-LIVING AND CAPTIVE ANIMALS.

I F Zumpt
S Afr Vet Med Ass J 39(4):89-91
Dec 1968 41.8 SO8
Animal nutrition, Animal vectors, Insects, Mongoose, Predatory animals, Rabies, Squirrels.

ARTHROPODS

6887-69
THE OCCURRENCE OF THE CAPILLATE LOUSE, SOLENOPOTES CAPILLATUS, IN SOUTH AFRICA.
R du Toit
S Afr Vet Med Ass J 39(4):73-74
Dec 1968 41.8 SO8
Anoplura, Cattle, Insect identification, Parasitism, Zoogeography.

6888-69
A RECORD OF THE MITE, SPELEOGNATHUS AUSTRALIS, IN BOVINES IN SOUTH AFRICA.
R du Toit
S Afr Vet Med Ass J 39(4):69-70
Dec 1968 41.8 SO8
Acarina, Cattle, Insect identification, Parasitism, Respiratory system, Zoogeography.

6889-69
CATTLE LICE; HOW TO CONTROL THEM.
U S D A Leafl (456):8P
09 Feb 1969 1 AG84L
Accident prevention, Bovicola bovis, Cattle, Chemical control (insects), Dipping, Dusting, Haematopinus eurysternus, Insecticide application, Insecticides, Linognathus vituli, Spraying.

6890-69
LICE AND MITES IN POULTRY.
A B Coronel
Philippine Farms Gard 5(2):8-9,30-31
Feb 1968 25 P5323
Anoplura, Dermanyssus gallinae, Insect control, Insect pests, Knemidokoptes, Mites, Ornithonyssus bursa, Poultry.

6891-69
OBSERVATIONS OF DEFENCE REACTIONS TO OESTRID FLIES BY SEMIDOMESTIC FOREST REINDEER (RANGIFER TARANDUS L.) IN SWEDISH LAPLAND.
Y Espmark
Zool Beitr 14(1-2):155-167 REF
1968 410 Z753
Behaviorism, Insect behavior, Oestridae.

This article is concerned with the growing defensiveness of reindeer to oestrid flies with age. The life habits of these flies are also described.

6892-69
1969 INSECT CONTROL GUIDE FOR COLORADO. III. LIVESTOCK PESTS, POULTRY PESTS, FARM FLY CONTROL.
W M Hantsbarger
Colo Agr Exp Sta Gen Ser (SER)(885):12P
Feb 1969 100 C71G
Chemical control (insects), Diptera, Insect pests, Insecticides, Livestock, Poultry.

6893-69
THE ROLE OF ARGAS PERSICUS IN EPIZOOTIC POULTRY CHOLERA. (GE)
E Iovcev
Angew Parasitol 8(2):114-117
Jun 1967 436.8 AN4
Argas persicus, Argasidae, Brucella, Chickens, Fowl cholera, Pasteurella. German, russian, english and bulgarian abstract

6894-69
EFFECT OF DIFFERENCES IN AMBIENT TEMPERATURE UPON THE FATE OF PASTEURELLA PESTIS IN XENOPSYLLA CHEOPIS.
L Kartman
Roy Soc Trop Med Hyg Trans 63(1):71-75
1969 448.9 R813
Bacteria, Disease transmission, Insect vectors, Pasteurella pestis, Pulicidae, Temperature, Xenopsylla cheopis.

6895-69
CATTLE FATALITY CAUSED BY BITES OF ODAGMIA ORNATA (DIPTERA, SIMULIIDAE). (CZ)
J Kubec J Minar
Veterinarstvi 18(8):372
1968 41.8 V6439
Cattle, Death, Simuliidae, Simulium ornatum.

6896-69
PRE-TREATED RICE HULL LITTER FOR THE CONTROL OF THE LESSER MEALWORM (ALPHITOBIUS DIAPERINUS PANZER).
J L Lancaster J S Simco R Everett
Ark Agr Exp Sta Rep Ser (SER 174):13P REF
Jan 1969 100 AR42R
Alphitobius diaperinus, Insect pests, Poultry.

6897-69
GETTING RID OF CAMEL MANGE.
K R Lodha
Indian Farming 16(2):33-34
May 1966 22 IN283
Camels, Chemical control (insects), Coumaphos, DDT, Lindane, Mange.

6898-69
NEW MANGEMITES OF ENDEMIC INSECTIVORES. (PSORERGATIDAE: TROMBIDIFORMES). (GE)
F Lukoschus
Tijdschr Entomol 111(3):75-88
21 Jun 1968 421 T21
Insect taxonomy, Insectivora, Mange, Mites. German abstract

6899-69
INSECT AND MITE PESTS OF LIVESTOCK, POULTRY, AND FARM BUILDINGS.
W F Lyon R E Treece
Ohio State Univ Ext Bull (473):16P
Jan 1969 275.29 OH32
Accident prevention, Chemical control (insects), Farm buildings, Insect pests, Livestock, Mites, Pesticides, Poultry.

6900-69
EVALUATION OF ACARICIDAL DIPS FOR CONTROL OF PSOROPTES OVIS ON SHEEP.
W P Meleney I H Roberts
Amer Vet Med Ass J 151(6):725-731
15 Sep 1967 41.8 AM3
Acaricides, Chemical control (insects), Coumaphos, Diazinon, Dipping, Insect control, Lindane, Psoroptes ovis, Sheep, Toxaphene.

6901-69
HOUSEFLIES, BLOWFLIES AND CLUSTER FLIES.
Great Brit Min Agr Fish Food Adv Leafl (365):1-7
Dec 1966 10 G79LA
Animal disease transmission, Calliphora, Chemical control (insects), DDT, Fannia, Insect behavior, Insect vectors, Life cycle, Lindane, Musca, Musca domestica, Phaenicia sericata, Sarcophaga, Stomoxys calcitrans.

The life cycles, ecology and disease transmission by houseflies, blowflies and cluster flies are discussed. Control with lindane, diazinon, fenchlorphos and DDT are recommended.

6902-69
ADVANCES IN CATTLE ECTOPARASITE CONTROL WITH A DISCUSSION OF SOME PROBLEMS RELATED TO TREATMENT WITH SYSTEMIC INSECTICIDES.
J O Mozier
Amer Vet Med Ass J 154(10):1206-1213
15 May 1969 41.8 AM3
Cattle, Chemical control (insects), Insecticide application, Insecticides, Organophosphorus compounds, Toxicology.

6903-69
ENCEPHALITIS FIELD SURVEILLANCE IN ORLEANS PARISH.
P L Rieth M A Bech W C Machado
Mosquito News 28(3):328-330
Sep 1968 421 M85
Aedes sollicitans, Aedes vexans, Avian encephalomyelitis, Birds, Culex, Culex pipiens quinquefasciatus, Equine encephalomyelitis, Insect vectors, Surveys, Virus diseases.

A program which is surveying the encephalitis virus titers in the local bird population and the presence of the virus in the local mosquito population of New Orleans is discussed.

6904-69
SALT MARSH MOSQUITO CONTROL IN RELATION TO BEEF CATTLE PRODUCTION: A PRELIMINARY REPORT.
D P Sanders M E Riewe J C McNeill
Mosquito News 28(3):311-313
Sep 1968 421 M85
Aedes sollicitans, Beef cattle, Culicidae, Insect control, Marshes, Surveys, Watershed management.

A survey of mosquitoes from the salt marshes of Texas is correlated with beef cattle production in the area. Control measures are suggested.

6905-69
1969, CONTROLLING INSECTS ON SHEEP AND GOATS.
R A Scheibner F W Knapp
Ky Univ Ext Misc (362-A):2P
1969 275.29 K415M
Anoplura, Chemical control (insects), Chlorinated hydrocarbons, Cochliomyia hominivorax, Goats, Insect pests, Insecticides, Ixodides, Melophagus ovinus, Organophosphorus compounds, Sheep. The insecticides listed are: coumaphos, ronnel, dioxathion, lindane, DDT, malathion, methoxychlor, toxaphene.

6906-69
THE GAMASID MITES (PARASITIFORMES, GAMASOIDEA) OF THE PAVLODAR PROVINCE OF KAZAKHSTAN.
V A Sinel'shchikov
Entomol Rev 46(4,OCT-DEC):495-500 REF
Dec 1967 421 R322AE
Catalogs, Epizootic diseases, Insect taxonomy, Insect vectors, Mites. Russian journal pp. 835-844

6907-69
MORTALITY IN SHEEP DUE TO IXODES SPECIES.
C A Sloan
Australian Vet J 44(11):527
Nov 1968 41.8 AU72
Ixodes, Ixodides, Mortality, Parasitic insects, Sheep.

6908-69
ATTACKS ON CATTLE BY MOSQUITOES AND BITING MIDGES.
H A Standfast A L Dyce
Australian Vet J 44(12):585-586
Dec 1968 41.8 AU72
Cattle, Ceratopogonidae, Culex annulirostris, Culicidae, Insect behavior, Parasitism.

6909-69
RESPIRATORY MITES OF POULTRY IN THE TERRITORY OF PAPUA NEW GUINEA.
N Talbot
Australian Vet J 44(11):530
Nov 1968 41.8 AU72
Mites, Parasitic insects, Poultry, Respiratory system, Speleognathopsis galli.

6910-69
INFECTION OF SOME SPECIES OF GAMASIDAE WITH R. BURNETI IN THE NATURAL Q-FEVER FOCI. (RUS)
A A Zemskaya A A Pchelkina
Zhur Mikrobiol Epidemiol Immunobiol 4:130-132
1968 448.3 Z4

Animal diseases, Gamasides, Insect vectors, Laboratory animals, Q fever, Rickettsia burneti.

PARASITES

6911-69
NOTE ON BOURGELATIA DIDUCTA, OESOPHAGOSTOMUM LONGICAUDUM AND GLOBOCEPHALUS UROSUBULATUS (NEMATODA-STRONGYLIDEA) IN SWINE OF MINAS GERAIS, BRAZIL. (POR)
H Mde A Costa M G Freitas
Minas Gerais Univ Escol Vet Arq 18:53-57
1966 41.9 M662
Nematode infestation, Nematodes, Oesophagostomum longicaudum, Parasitism, Strongyloides, Swine, Zoogeography. English summary.

6912-69
EFFECTS OF GASTROINTESTINAL NEMATODE PARASITES ON PERFORMANCE IN FEEDLOT CATTLE.
E R Ames R Rubin J K Matsushima
J Anim Sci 28(5):698-704 REF
May 1969 49 J82
Animal nutrition, Anthelmintics, Cattle, Cooperia, Drug therapy, Feedlots, Gastrointestinal system, Nematode infestation, Ostertagia ostertagi, Parasitism, Thiazolyl)-benzimidazole, (2-(4-.

6913-69
STUDY INDICATES MOST DAIRY CATTLE HAVE WORMS.
Anonymous
Miss Farmer 17(4):26
Apr 1969 6 M6992
Ascaris, Chemical control (nematodes), Dairy cattle, Nematode infestation, Parasitism, Thibenzole.

6914-69
EURYCESTUS AVOCETI CLARK, 1954 (CESTODA, CYCLOPHYLLIDAEN PARASITE OF THE AVOCET IN CAMARGUE. (FR)
J C Baer
Vie Milieu Ser C Biol Terrestre 19(1-C):189-198
1968 QH301.V5
Birds, Cestoda, Helminthiasis, Morphology, Taxonomy. English and German abstracts.

6915-69
BASIC,FACTS ON THE PARASITIC NEMATODES OF THE SHEEP (OVIS ARIES) IN TUNISIA. (FR)
J Bernard F B Osman
Inst Pasteur Tunis Arch 45(1):33-60 REF
Mar 1968 448.3 IN72
Nematode infestation, Nematodes, Parasitism, Sheep, Zoogeography. 15 different species of nematodes were found in sheep and are described.

6916-69
WORMS IN PIGS.
B W Bootes
Agr Gaz New S Wales 80(PT 1):15-22
Jan 1969 23 N472
Chemical control (nematodes), Diagnosis, Drug therapy, Livestock diseases, Nematode infestation, Swine, Symptomatology.

The worms discussed were Ascaris suum, Hyostrongylus rubidus, Ascarops strongulina, Physocephalus sexalatus, Oesophagostomum dentatum, Trichuris suis, Macracanthorynchus hirudinaceus, Stephanurus dentatus, Metastrongylus apri and M. pudendoctectus.

6917-69
CONTRIBUTION TO THE PROBLEMS OF TOXIC ACTION OF ASCARIDIA GALLI ON LABORATORY ANIMALS. (CZ)
Z Boroskova
Biologia (bratislava) 22(12):929-934 REF
1967 442.8 B5265
Ascaridae, Ascaridia galli, Guinea pigs, Nematodes, Parasitism, Toxins. English, czech, russian and german abstracts

6918-69
THE BIOCHEMICAL MECHANISM OF ACTION OF THE ANTHELMINTIC DRUG TETRAMISOLE.
H van den Bossche P A J Janssen
Life Sci 6(16,PT 2):1781-1792 REF
15 Aug 1967 442.8 L62
Anthelmintics, Ascaris lumbricoides suum, Dehydrogenases, Drug therapy, Enzymes, Metabolism, Tetramisole.

6919-69
EVALUATION OF PARBENDAZOLE AS AN ANTHELMINTIC IN CATTLE.
R E Bradley
Amer J Vet Res 29(10):1979-1982
Oct 1968 41.8 AM3A
Anthelmintics, Cattle, Haemonchosis.

6920-69
STUDIES ON THE PATHOGENESIS OF TRICHOCEPHALIASIS IN SHEEP. (BU)
V Bratanov
Vet Med Nauk 5(5):39-46
1968 41.8 V6468
Nematodes, Parasitism, Sheep, Trichuriasis, Trichuris. English and Russian summaries.

6921-69
A NEW COMPOUND EFFECTIVE AGAINST ACUTE FASCIOLIASIS IN SHEEP.
A Campbell M K Martin K J Farrington A Erdelyi R Johnston
Experientia 23(12):992-993
15 Dec 1967 475 EX7
Chemical control (animal diseases), Drug therapy, Fascioliasis, Sheep.

6922-69
INVESTIGATION OF THE EFFECT OF PREPARATION BAYER 9015-I2.50W.G. ON ADULT FASCIOLA HEPATICA IN SHEEP. (SE)
M Cankovic J Rukavina
Vet Glas 22(9):783-786
1968 41.8 J93
Bayer 9015, Dosage, Drug therapy, Fasciola hepatica, Livestock diseases, Nematode infestation, Sheep, Symptomatology. English and Russian summaries.

6923-69
EFFECTS OF TOTAL AND PARTIAL BODY RADIATION ON HELMINTHIC INFECTIONS.
L Casarosa
Pisa Univ Stud Fac Med Vet Ann 20:13-27 REF
1967 41.9 P67
Animals, Helminths, Irradiation. Italian and French summaries.

6924-69
IN VITRO CULTURE AND HATCHING OF ASCARIDIA GALLI EGGS.
R K Chatterjee K S Singh
Indian J Vet Sci Anim Husb 38(3):517-523 REF
Sep 1968 41.8 IN22
Animal diseases, Ascariasis, Ascaridia galli, Culture media, Nematode infestation.

6925-69
HISTOCHEMICAL STUDIES IN CHICK ASCARIDIASIS.
R K Chatterjee K S Singh
Indian J Vet Sci Anim Husb 38(3):509-516 REF
Sep 1968 41.8 IN22
Ascariasis, Chicks, Histochemistry, Poultry diseases.

6926-69
THE DEVELOPMENT OF THE INFECTIVE LARVA OF THE CANINE OESOPHAGEAL TUMOUR WORM SPIROCERCA LUPI IN RABBITS AND ITS HISTOPATHOLOGY.
N Chowdhury B P Pande
Z Parasitenk 32(1):1-10 REF
14 Apr 1969 442.8 Z33F
Animal histology, Animal physiology, Larvae, Rabbits, Spirocerca lupi.

6927-69
THE DETERMINATION OF ENTEROKINASE ACTIVITY IN THE DUCK INTESTINE DURING EXPERIMENTAL ECHINOSTOMATOSIS. (RU)
E Ciuniene
Acta Parasitol Lithuanica 8:95-101 REF
1968 436.9 AC8
Biochemistry, Ducks, Echinostoma revolutum, Enzymes, Helminthiasis, Intestines, Kinases, Metabolism.

6928-69
ANCYLOSTOMA CANINUM: FOOD RESERVES AND CHANGES IN COMPOSITION W ITH AGE IN THIRD STAGE LARVAE.
F E Clark
Exp Parasitol 24(1):1-8 REF
Feb 1969 436.8 EX7
Aging, Ancylostoma caninum, Biochemistry, Carbohydrates, Larvae, Lipids, Metabolism, Proteins.

6929-69
THE SYSTEMIC ACTION OF METHYRIDINE AGAINST HELMINTHS, ESPECIALLY WHIPWORMS, IN DOGS.
M L Colglazier F D Enzie R H Burtner
Helminthol Soc Wash Proc 33(1):40-41
Jan 1966 436.9 H36
Anthelmintics, Dogs, Drug therapy, Methyridine, Nematodes, Trichuris vulpis.

6930-69
MEASUREMENTS OF THE OSMOTIC PRESSURE IN THE HABITAT OF POLYMORPHUS MINUTUS (ACANTHOCEPHALA) IN THE INTEST INE OF DOMESTIC DUCKS.
D W T Crompton S J Edmonds
J Exp Biol 50(1):69-77
Feb 1969 442.8 B77
Acanthocephala, Ducks, Habitats, Intestines, Livestock diseases, Osmotic pressure, Parasitism.

6931-69
THE INVESTIGATION OF ALKALINE PHOSPHATASE IN THE FECES OF PIGS DURING EXPERIMENTAL OESOPHAGOSTOMOSIS. (RU)
E Danilevicius A Matusevicius
Acta Parasitol Lithuanica 8:11-18 REF
1968 436.9 AC8
Alkaline phosphatase, Biochemistry, Nematodes, Oesophagostomiasis, Swine. English and Lithuanian abstract s.

6932-69
HISTOPATHOLOGY OF PARAFILARIASIS IN MULES.
V P S Dedrani S C Dutt
Cur Sci 36(9):240-241
05 May 1967 475 SCI23
Filariasis, Histopathology, Livestock diseases, Mules, Nematode infestation.

6933-69
RESULTS AND PROSPECTS OF DEHELMINTHIZATION MEASURES. (RUS)
N V Demidov
Veterinariya (12):46-50
Dec 1968 41.8 V6426
Anthelmintics, Livestock diseases, Veterinary medicine.

6934-69
CHEMICAL MOLLUSCACIDES AND THE PROPHYLAXIS OF HELMINTHIASES WHICH CAN BE TRANSMITTED TO MAN BY FRESHWATER GASTEROPODS. (FR)
R Deschiens
Acad Sci Compt Rend Ser D Sci Nat 266(10, 1ST SEMESTER):1036-1038
04 Mar 1968 505 P21
Chemical control (pests), Gastropoda, Helminthiasis, Human diseases, Molluscacides.

6935-69
TRICHINELLA SPIRALIS: IMMUNE ELIMINATION IN MICE.
D D Despommier B S Wostmann

Exp Parasitol 24(2):243-250 REF
Apr 1969 436.8 EX7
Immunity, Mice, Nutrition, Trichinella spiralis.

6936-69
THE UKRAINE ON THE WAY OF FREEING ANIMAL HUSBANDRY FROM THE MAIN HELMINTHOSES. (RUS)
S R Didovets G K Bozhko
Veterinariya (12):8-11
Dec 1968 41.8 V6426
Animal husbandry, Helminthiasis, Livestock diseases.

6937-69
EPIZOOTIOLOGIC FACTORS OF INFESTATION BY TRICHOSTRONGYLIDAE IN OVINES IN LEON. (SP)
M F Diez
Oviedo Univ Fac Vet Leon An 13(13):53-108 REF
1967 41.9 OV4
Epizootic diseases, Nematode infestation, Parasitism, Sheep, Trichostrongylus. English and French summaries.

The most common species found are: Ostertagia circumcincta, O. trifurcata, Trichostrogylus axei, T. colubriformis, T. vitrinus, Nematodirus filicollis and N. spathiger.

6938-69
PELECITUS CEYLONENSIS N. SP. FROM THE CHICK AND ASH-DOVE EXPERIMENTALLY INFECTED WITH LARVAE FROM MANSONIA CRASSIPES, AND FROM NATURALLY-INFECTED CROWS IN CEYLON.
A S Dissanaike
Ceylon J Sci Biol Sci 7(1-2):96-104 REF
Oct 1967 475 C33
Birds, Culicidae, Life cycle, Mansonia, Nematodes, Pelecitus, Poultry, Taxonomy. English abstract

6939-69
A HELMINTHOLOGICAL SURVEY OF WILD MINK IN WISCONSIN.
R S Dorney L H Lauerman
Wildlife Dis Ass Bull 5(1):35-36
Jan 1969 41.9 W64B
Helminthology, Minks, Parasitism, Surveys.

The following helminths were located: Alaria mustelae, Euparyphium beaveri, Corynosoma constrictum, Capillaria sp., Filaroides martis, Skrjabingylus nasicoza. and Molineus patens.

6940-69
COUMAPHOS, A NEW ANTHELMINTIC FOR CONTROL OF CAPILLARIA OBSIGNATA, HETERAKIS GALLINARUM, AND ASCARIDIA GALLI IN CHICKENS.
T H Eleazer
Avian Dis 13(1):228-230
Feb 1969 41.8 AV5
Anthelmintics, Ascaridia galli, Capillaria obsignata, Chickens, Coumaphos, Helminthiasis, Heterakis gallinarum, Organophosphorus compounds, Parasitism, Poultry diseases.

6941-69
HELMINTHOSES AS ALLERGIC DISEASES. (RUS)
V S Ershov
Veterinariya (12):3G-41
Dec 1968 41.8 V6426
Allergics, Helminthiasis, Livestock diseases, Parasitism.

6942-69
WORM CONTROL IN SWINE.
D L Ferguson
Nebr Univ Ext Ec (69-219):13-14
Jan 1969 275.29 N272EX
Ascaris lumbricoides suum, Chemical control (nematodes), Nematode infestation, Paragonimus, Respiratory diseases, Swine, Trichuris.

6943-69
THE EPIZOOTIOLOGY OF OVINE VERMINOUS BRONCHOPNEUMONIAS IN LEON. (SP)
A P R Fernandez
Oviedo Univ Fac Vet Leon An 13(13):135-210 REF
1967 41.9 OV4
Dictyocaulus filaria, Epizootic diseases, Helminthiasis, Nematode infestation, Parasitism, Sheep. English and French summaries. other less important nematodes were found.

6944-69
THE EFFECTS OF LOW TEMPERATURE ON THE SPORULATION AND SURVIVAL OF OOCYSTS OF EIMERIA PERFORANS, MEDIA, MAGNA AND IRRESIDUA. (IT)
G Francalanci
Nuova Vet 44(4,JUL-AUG):256-263
Jul 1968 41.8 N922
Coccidiosis, Eimeria irresidua, Eimeria magna, Eimeria media, Eimeria perforans, Parasitism, Rabbits, Sporulation, Temperature. French, English and German summaries.

6945-69
CONTRIBUTION TO THE KNOWLEDGE OF PARASITIC FAUNA OF DOMESTIC ANIMALS AND SOME GAME IN VOJVODINA. (SE)
R Golosin A Kosovac T Panjevic-Blazekovic
Vet Glas 22(10):857-864 REF
1968 41.8 J93
Game animals, Livestock, Nematode infestation, Parasitism, Zoogeography. English and Russian summaries.

The spread of the following parasitic species was investigated: B. divergens, T. genitalis, T. anseri, T. gondii, E. granulosus and T. spiralis.

6946-69
REMARKS CONCERNING THE EXPERIMENTAL INFESTATION OF GUINEA PIGS WITH THE EAST AFRICAN STRAIN OF TRICHINELLA SPIRALIS. (FR)
S Gretillat G Vassiliades
Acad Sci Compt Rend Ser D Sci Nat 268(11, 1ST SEMESTER):1511-1514
17 Mar 1969 505 P21
Animal physiology, Calcification (physiological), Cysts, Guinea pigs, Trichinella spiralis.

6947-69
COMPARATIVE SUSCEPTIBILITIES OF THE CAT AND THE DOMESTIC PIG TO THE WEST AFRICAN STRAIN OF TRICHINELLA SPIRALIS. (OWEN, 1835). (FR)
S Gretillat G Vassiliades
Acad Sci Compt Rend Ser D Sci Nat 266(11, 1ST SEMESTER):1139-1141
11 Mar 1968 505 P21
Cats, Helminthiasis, Livestock diseases, Susceptibility, Swine, Trichinella spiralis.

6948-69
THE VALUE OF SOME STANDARDIZED TRICHINELLA SPIRALIS ANTIGENS, AS ESTIMATED BY INTRADERMAL TESTS. (FR)
A Hacig P Solomon L Ianco M Smolinski V Badou Et Al
Arch Gesamte Virusforsch 26(2):273-278
Jun 1967 448.3 AR22
Antigens, Skin tests, Swine, Trichinella spiralis. Russian, German, and English abstracts

6949-69
REGIONAL RESEARCH IN NEMATODE PARASITES OF RUMINANTS IN THE WESTERN UNITED STATES, A 10-YEAR SUMMARY, 1958-1968.
D M Hammond D E Worley
Utah Agr Exp Sta Bull (480):25P
Feb 1969 100 UT1 (1)
Agricultural research, Bionomics, Nematodes, Nematology, Parasitism, Ruminants, Zoogeography.

6950-69
CRITICAL AND CONTROLLED LA BORATORY TRIALS IN SHEEP WITH TETRAMISOLE.
J A Hart C Curr
Australian Vet J 44(8):373-376
Aug 1968 41.8 AU72
Anthelmintics, Dosage, Drug therapy, Gastrointestinal system, Helminthiasis, Sheep, Tetramisole.

Drug was used against: Haemonchus contortus, Ostertagia, Trichostrongylus axei, T., Nematodirus, Oesophagostomum columbianum, and Chabertia ovina, and Trichuris ovis.

6951-69
THE INTRODUCTION OF NEMATODIRUS BATTUS (CROFTON AND THOMAS, 1951) INTO A NEW ENVIRONMENT.
O Helle
Vet Rec 84(7):157-160 REF
15 Feb 1969 41.8 V641
Anthelmintics, Farm management, Grazing, Larvae, Livestock diseases, Nematodirus battus, Temperature.

6952-69
AMINO ACID COMPOSITION OF SOME STRONGYLE PARASITES OF CATTLE.
H Herlich
Helminthol Soc Wash Proc 33(1):103-105
Jan 1966 436.9 H36
Amino acids, Biochemistry, Cattle, Chemical analysis, Cooperia, Nematodes, Oesophagostomum radiatum, Ostertagia ostertagi, Trichostrongylus.

6953-69
A PROPHYLACTIC TREATMENT FOR HEARTWORM INFESTATION OF DOGS.
J L Hills
Australian Vet J 44(6):297
Jun 1968 41.8 AU72
Blood analysis, Dirofilaria immitis, Dirofilariasis, Dogs, Dosage, Drug therapy.

6954-69
STUDIES ON THE ACQUIRED RESISTANCE OF GOATS TO HAEMONCHUS SPP.
S Husain P G Deo
Indian J Vet Sci Anim Husb 38(3):478-483 REF
Sep 1968 41.8 IN22
Goats, Haemonchus, Nematodes, Veterinary medicine.

6955-69
THE GEOGRAPHICAL AND EVOLUTIONARY RELATIONSHIPS OF AUSTRALIAN TRICHOSTRONGYLOID PARASITES AND THEIR HOSTS.
W G Inglis
Linn Soc London J Zool 47(312):327-347 REF
Apr 1968 410.9 L64
Evolution, Host relationships, Nematodes, Parasitism, Strongyloides, Vertebrates. English abstract

6956-69
RIDDING SHEEP BREEDING FARMS OF HELMINTHOSES. (RUS)
I Kh Irgashev
Veterinariya (12):18-19
Dec 1968 41.8 V6426
Animal breeding, Helminthiasis, Livestock diseases, Sheep.

6957-69
INVESTIGATION INTO THE HELMINTHID FAUNA OF DEER (CAPREOLUS (APREOLUS L.) IN THE BULGARIA. II. MATERIAL ON THE HELMINTHED FAUNA OF DEER (CAPREOLUS CAPREOLUS L.) IN THE BALKAN MOUNTAINS. (GE)
J Jancev
Bulgarska Akad Nauk Zool Inst Muz Izv 25:72
1967 410.9 B872I
Catalogs, Deer, Helminths. German abstract

6958-69
HISTOCHEMICAL AND BACTERIOLOGICAL STUDIES ON DIGESTION IN NINE SPECIES OF LEECHES (ANNELIDA: HIRUDINEA).
J B Jennings V M van der Lande
Biol Bull 133(1):166-183 REF
Aug 1967 442.8 B52
Bacteria, Digestion, Enzymes, Hirudinea, Histochemistry.

6959-69
ON THE NEMATODE FAUNA OF DOMESTIC FOWL IN THE LITHUANIAN SSR. (RU)
J Kazlauskas G Volskis A Slikas
Acta Parasitol Lithuanica 7:45-48
1968 436.9 AC8
Chickens, Helminthiasis, Lithuania, Nematodes, Surveys. English and Lithuanian abstracts.

6960-69
PARASITOLOGICAL SITUATION ON THE HEN FARMS IN LITHUANIA. (RU)
J Kazlauskas T Arnastauskiene
Acta Parasitol Lithuanica 7:39-43
1968 436.9 AC8
Chickens, Parasitology, Poultry diseases, Surveys. English and Lithuanian abstracts.

6961-69
GROWTH AND DEVELOPMENT OF POULTRY ECHINOSTOMATIDS IN THE ORGANISM OF DEFINITIVE HOST. (RU)
V Kiseliene
Acta Parasitol Lithuanica 7:55-66 REF
1968 436.9 AC8
Echinostoma revolutum, Helminthiasis, Physiology, Poultry. English and Lithuanian abstracts.

6962-69
AESCHNA GRANDIS L., A NEW ADDITIONAL HOST OF PROSTHOGONIMUS CUNEATUS (RUD., 1809) (TREMATODA. PROSTHOGONIMIDAE). (RU)
V Kiseliene
Acta Parasitol Lithuanica 7:67-69
1968 436.9 AC8
Aeshna grandis, Insect vectors, Poultry, Prosthogonimus cuneatus. English and Lithuanian abstracts.

6963-69
MORPHOLOGIC AND HISTOCHEMICAL STUDIES ON THE NERVOUS SYSTEM OF TAPEWORMS REVEALED BY THE CHOLINESTERASE METHOD (TAENIA HYDATIGENA, DIPYLIDIUM CANINUM AND MONIEZIA EXPANSA).
N Kralj
Vet Arh 37(9-10):277-286 REF
1967 41.8 V6416
Animal morphology, Cestoda, Cholinesterases, Dipylidium, Histochemistry, Moniezia expansa, Nervous system, Taenia hydatigena. French and yugoslavian abstracts

6964-69
THE INVESTIGATIONS OF MAIN INTESTINE ENZYMES--ENTEROKINASE AND ALKALINE PHOSPHATASE IN EXPERIMENTAL PIG TRICHOCEPHALIASIS. (RU)
V Kuciukas A Medzevicius
Acta Parasitol Lithuanica 8:39-46 REF
1968 436.9 AC8
Alkaline phosphatase, Biochemistry, Enzymes, Intestines, Kinases, Nematodes, Swine, Trichuriasis. English and Lithuanian abstracts.

6965-69
METABOLIC FATE OF HISTIDINE IN THE PARASITIC WORM FASCIOLA HEPATICA L..
B Kurelec M Rijavec R Klepac
Compar Biochem Physiol 29(2):885-887
May 1969 444.8 C73
Chromatography, Fasciola hepatica, Histidine, Metabolism, Radioactive tracers, Tissue culture.

6966-69
STUDY OF BLOOD SERUM OF PARASITIZED ANIMALS. I. ELECTROPHORESIS. (SP)
J Lopez-Gorge F Sanchez-Rasero M Monteoliva
Rev Iberica Parasitol 27(1-2,JAN-JUN):11-23 REF
Jun 1967 436.8 R32
Ascaris, Blood proteins, Blood serum, Echinococcosis, Electrophoresis, Livestock, Parasitism. English abstract

6967-69
THE EPIZOOTIOLOGY OF DICROCELIOSIS IN THE PROVINCE OF LEON. (SP)
J Lozano
Oviedo Univ Fac Vet Leon An 13(13):211-285 MAP REF
1967 41.9 OV4
Animal vectors, Cattle, Dicroceliasis, Epizootic diseases, Formicidae, Helminths, Insect vectors, Sheep. English and French summaries.

6968-69
ECHINOCOCCUS GRANULOSUS EQUINUS WILLIAMS AND SWEATMAN, 1963 IN ITALY; EPIZOOTIOLOGICAL ASPECTS AND MORPHOLOGICAL AND BIOLOGICAL STUDIES OF THE PARASITE. (IT)
G Macchioni C Gallo
Pisa Univ Stud Fac Med Vet Ann 20:58-77 REF
1967 41.9 P67
Echinococcus granulosus, Epizootic diseases, Helminths, Horses, Parasitism. English and French summaries.

6969-69
STANDARD TECHNIQUES FOR LARVAL DISCOVERY IN MICROASCARIDIC INFECTION BY TOXOCARA CANIS (WERNER, 1782) IN THE WHITE MOUSE; OBSERVATIONS ON T HE LARVAL MIGRATIONS AND BURDENS IN THE EXPERIMENTAL INFECTIONS CONFERRED THROUGH ORAL, INTRAPERITONEAL AND SUBCUTANEOUS ROUTE. (IT)
G Macchioni A Marconcini
Pisa Univ Stud Fac Med Vet Ann 20:85-102 REF
1967 41.9 P67
Mice, Nematode infestation, Tissue culture, Toxocara canis. English and French summaries.

6970-69
SHEEP COENUROSIS CONTROL IN UZBEKISTAN. (RUS)
N M Matchanov
Veterinariya (12):15-16
Dec 1968 41.8 V6426
Coenurosis, Livestock diseases, Sheep.

6971-69
THE DYNAMICS OF TOTAL PROTEIN AMOUNT AND PROTEIN FRACTIONS IN THE BLOOD SERUM DURING EXPERIMENTAL PIG TRICHOCEPHALIASIS. (RU)
A Medzevicius L Titiskyte V Kuciukas
Acta Parasitol Lithuanica 8:57-64
1968 436.9 AC8
Blood chemistry, Blood serum, Nematodes, Proteins, Swine, Trichuriasis. English and Lithuanian abstracts.

6972-69
CATTLE PARAMPHISTOMATIDOSIS IN POLESYE. (RUS)
A I Mereminsky I Ya Gluzman Yu G Artemenko
Veterinariya (12):51-54
Dec 1968 41.8 V6426
Amphistomiasis, Cattle, Livestock diseases, Paramphistomum.

6973-69
NEUROSECRETORY CELLS IN THE VENTRAL NERVE CORD OF LEECH (HIRUDINARIA GRANULOSA).
N K Mishra
Experientia 23(12):1055-1056
15 Dec 1967 475 EX7
Biochemistry, Hirudinea, Histology, Nerves.

6974-69
THORNY-HEADED WORM INFECTION IN NORTH AMERICAN PREHISTORIC MAN.
J G Moore G F Fry E Englert
Science 163(3873):1324-1325 REF
21 Mar 1969 470 SCI2
Acanthocephala, Feces, Humans, Nematode vectors, Rodents.

6975-69
SOME FACTORS OF OVINE INFESTATION WITH PROTOSTRONGYLIDAE. (SP)
E M Morales
Oviedo Univ Fac Vet Leon An 13(13):109-134 REF
1967 41.9 OV4
Nematode infestation, Nematode migration, Sheep, Snails. English and French summaries.

6976-69
A PHYSICO-CHEMICAL APPROACH TO THE SEROLOGICAL DIAGNOSIS OF CYSTICERCOSIS.
N Morris E M Proctor R Elsdon-Dew
S Afr Vet Med Ass J 39(4):41-43
Dec 1968 41.8 SO8
Antigens, Diagnosis, Echinococcosis, Electrophoresis, Helminths, Hemagglutination-inhibition test, Livestock diseases, Precipitin test, Swine.

6977-69
THE GUILTY FOX.
L Morrisroe
J Agr 66(9):318-320
Sep 1968 23 V66J
Cestoda, Cysts, Disease transmission, Foxes, Livestock diseases, Parasitism, Sheep, Taenia, Virus diseases (animals).

6978-69
SPERMTAIL FINESTRUCTURE OF ECHINOCOCCUS GRANULOSUS AND DICROCOELIUM DENDRITICUM.
D J Morseth
Exp Parasitol 24(1):47-53 REF
Feb 1969 436.8 EX7
Cytology, Dicrocoelium dendriticum, Echinococcus granulosus, Electron microscopy, Spermatozoa, Ultrastructure.

6979-69
HOMOCYTOTROPIC ANTIBODY RESPONSE IN MICE INFECTED WITH SCHISTOSOMA MANSONI: COMPARASION WITH THE RESPONSE FOLLOWING TRICHINELLA SPIRALIS INFECTION.
I Mota E H Sadun R W Gore
Exp Parasitol 24(2):251-258 REF
Apr 1969 436.8 EX7
Fluorescent antibody technic, Mice, Schistosoma, Serological tests, Trichinella spiralis.

6980-69
BRACHYLAIMA DEGIUSTII N. SP. FROM COLUMBA LIVIA IN VENEZUELA.
P Nasir L Rodriguez M
Helminthol Soc Wash Proc 33(2):170-172
Jul 1966 436.9 H36
Pigeons, Taxonomy, Trematoda, Zoogeography.

6981-69
EFFICACY OF TETRAMISOLE ON NEMATODE INFECTIONS OF DOGS.
A A Noujaim S M Gaafar
Vet Med/small Anim Clin 63(10):986
Oct 1968 41.8 M69
Ancylostoma caninum, Dogs, Drug therapy, Helminthiasis, Nematodes, Parasitism, Tetramisole, Toxocara canis, Trichuris vulpis.

6982-69
ECTOPARASITES AND HELMINTH ENDOPARASITES OF THE TREE SQUIRRELS OF SOUTHWEST TENNESSEE.
W A Olexik A E Perry W E Wilhelm
Tenn Acad Sci J 44(1):4-6 REF
Jan 1969 500 T25A

Cestoda, Nematodes, Orchopeas, Parasitism, Squirrels, Trematoda.

6983-69
PROBLEMS OF THE ERADICATION OF THE MOST IMPORTANT HELMINTHOSES. (RUS)
I V Orlov
Veterinariya (12):50-51
Dec 1968 41.8 V6426
Helminthiasis, Livestock diseases.

6984-69
CHEMOTHERAPEUTIC AGENTS.
G F Otto
Amer Vet Med Ass J 154(4):387-390
15 Feb 1969 41.8 AM3
Anthelmintics, Arsenamide, Diethylcarbamazine, Dirofilaria immitis, Dithiazanine iodide, Dogs, Drug therapy, Nematodes.

6985-69
HOME PRODUCED CYAZID IS A HIGHLY EFFECTIVE ANTHELMINTHIC AGAINST SHEEP DICTYOCAULOSIS. (ROS)
D I Panasyuk E S Khutoretsky
Veterinariya (12):55-56
Dec 1968 41.8 V6426
Cyazid, Drug therapy, Livestock diseases, Sheep, Verminous bronchitis.

6986-69
HELMINTHOLOGICAL EVALUATION OF DEEP LITTER IN POULTRY HOUSES. (RUS)
Z A Panina
Veterinariya (12):98-99
Dec 1968 41.8 V6426
Bedding (livestock), Helminthology, Poultry houses, Sanitation.

6987-69
BLOOD PARASITES FOUND IN IMPORTED BIRDS AT POST-MORTEM EXAMINATION.
M A Peirce
Vet Rec 84(5):113-116 REF
01 Feb 1969 41.8 V641
Autopsies, Birds, Blood parasites, Haemoproteus, Infectious diseases, Leucocytozoon disease, Microfilariae, Parasitism, Plasmodium, Tables (data), Trypanosoma.

6988-69
CANINE FILARIASIS ON OKINAWA, RYUKYU ISLANDS.
N E Pennington C A Phelps
J Med Entomol 6(1):59-67
30 Jan 1969 421 J828
Dipetalonema reconditum, Dogs, Ectoparasites, Filariasis, Helminths, Insect vectors, Medical entomology.

6989-69
COMPLEX INVESTIGATION OF THE FUNCTIONAL STATE OF THE LIVER IN THE COURSE OF EXPERIMENTAL FLUKEWORM DISEASE IN SHEEP. (POL)
E Pinkiewicz S Grzebula M Pienkowski A Zimowski
Lublin Univ Mariae Curie Ann Sect Dd 22:167-190 REF
1967 512 L96AD
Enzymes, Fasciola hepatica, Liver, Liver function tests, Livestock diseases, Sheep, Trematoda. English and Russian summaries.

6990-69
ADENOSINETRIPHOSPHATASE ACTIVITY IN MUSCLE TISSUE MITOCHONDRIA OF SWINE ASCARID (ASCARIS SUUM, GOEZE, 1758). (RUS)
L I Povyakel
Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):530-533 REF
1968 448.8 M469
Adenosinetriphosphatase, Ascaris lumbricoides suum, Enzymes, Mitochondria, Muscles, Nematodes, Swine. English summary.

6991-69
PRACTICE OF ANIMAL DICTYOCAULOSIS AND FASCIOLIASIS CONTROL. (RUS)
A A Poyarkov
Veterinariya (12):11-14
Dec 1968 41.8 V6426
Fascioliasis, Livestock diseases, Verminous bronchitis, Veterinary medici ne.

6992-69
CLINICAL OBSERVATIONS AND STUDI ES REGARDING THE ETIOLOGY OF ENZOOTICALLY OCCURRING BOVINE KERATOCONJUNCTIVITIS, WITH PARTICULAR CONSIDERATION OF THELAZIA. (GE)
H Prange R Kokles G Zimmermann
Monatsh Vet 23(18):692-698 REF
15 Sep 1968 41.8 M742
Cattle, Keratoconjunctivitis, Livestock diseases, Nematode infestation, Thelazia. English and Russian summaries.

6993-69
THE GLYOXYLATE CYCLE, FRUCTOSE-1,6-DIPHOSPHATASE AND GLYCONEOGENESIS IN FASCIOLA HEPATICA.
R K Prichard P J Schofield
Compar Biochem Physiol 29(2):581-590 REF
May 1969 444.8 C73
Biochemistry, Enzymes, Fasciola hepatica, Glyconeogenesis, Metabolism.

6994-69
ON THE BIOLOGY OF APATEMON GRACILIS (RUD., 1819), A TREMATODE PARASITIZING IN DOMESTIC AND WILD DUCKS. (RU)
D Raisyte
Acta Parasitol Lithuanica 7:71-84
1968 436.9 AC8
Apatemon gracilis, Biology, Ducks, Ecology, Gastrointestinal system, Trematoda. English and Lithuanian abstracts.

6995-69
THE NUMBERS AND DYNAMICS OF EGGS PRODUCED BY A TREMATODE APATEMON GRACILIS (YAMAGUTI, 1933) IN RELATION TO THE AGE OF A HOST AND POST-INFECTION IMMUNITY. (RU)
D Raisyte
Acta Parasitol Lithuanica 8:65-73
1968 436.9 AC8
Aging, Apatemon gracilis, Ducks, Immunity, Trematoda. English and Lithuanian abstracts.

6996-69
METASTRONGYLUS SALMI GEPOELST, 1923--THE PIG PARASITE.
N S K Rao
Cur Sci 38(5):117
05 Mar 1969 475 SCI23
Helminthiasis, Livestock diseases, Metastrongylus salmi, Nematodes, Swine.

6997-69
BOVINE OSTERTAGIA INFECTION. BIBLIOGRAPHY ORGANIZED AROUND THE DISEASE, ITS TREATMENT, AND ITS PREVENTION. (FR)
J P Raynaud
Rec Med Vet 144(8):743-769 REF
1968 41.8 R24
Cattle, Diagnosis, Ostertagiasis, Thiazolyl)-benzimidizole, 2-(4-. English and spanish abstracts

6998-69
A SURVEY OF PARASITES IN LABORATORY PRIMATES.
L V Reardon B F Rininger
Lab Anim Care 18(5):577-580 REF
Oct 1968 410.9 P94
Animal diseases, Cestoda, Health surveys, Helminths, Monkeys, Nematodes, Parasitism, Protozoa, Trematoda. Listing of the number of parasites found in each kind of monkey.

6999-69
A COMPARATIVE STUDY OF THE ACTIVITIES OF 2,6-DIIODOPARA-NITROPHENOL (DISOPHENOL) AND 2-PARA-THIAZOLYL-BENZIMIDAZOLE (THIABENDAZOLE) AS ANTHELMENTHIC FOR SHEEP. (POR)
U F Rocha M S de Campos J O Prucoli P C Goncalves R G Serra
Bol Indus Anim 24(1):89-103
1967 49 R324
Anthelmintics, Diiodo-4-nitrophenol, 2,6-, Haemonchus contortus, Oesophagostomum, Sheep, Thiazolyl)-benzimidizole, 2-(4-, Trichuris. English abstract

7000-69
VISCERAL CYSTICERCOSIS IN BOVINE ANIMALS. (IT)
B Romboli G Del Bono N Pellegrini P Pierotti
Pisa Univ Stud Fac Med Vet Ann 20: 64-296 REF
1967 41.9 P67
Cattle, Cysticercus, Helminths, Livestock diseases, Viscera. English and French summaries.

7001-69
AN APPROACH TO THE TREATMENT OF OUTBREAKS OF FASCIOLIASIS IN SHEEP.
J G Ross
Irish Vet J (N s)22(4):62-68
Apr 1968 41.8 IR4
Anthelmintics, Drug therapy, Fasciola hepatica, Fascioliasis, Helminths, Livestock diseases, Sheep.

7002-69
REPORT ON THE WORKING PARTY ON LIVER-FLUKE IN WALES.
W T Rowlands
Vet Rec 84(7):154-157
15 Feb 1969 41.8 V641
Clonorchis, Copper sulfate, Drainage, Drug therapy, Farm management, Fascioliasis, Grazing, Livestock diseases, Molluscacides.

7003-69
A FIELD STUDY OF CHEMICAL PROPHYLAXIS AGAINST THE DEVELOPING STAGES OF DIROFILARIA LIMITIS IN THE DOG.
F Roy-Smith C H Carlisle
Australian Vet J 44(11):508-509
Nov 1968 41.8 AU72
Diethylcarbamazine dihydrogen citrate, Dirofilaria immitis, Dirofilariasis, Dogs, Dosage, Drug therapy, Parasitism.

7004-69
TREATMENT OF GASTROINTESTINAL PARASITISM OF CATTLE WITH PARBENDAZOLE.
R Rubin
Amer Vet Med Ass J 154(2):177-180
15 Jan 1969 41.8 AM3
Anthelmintics, Cattle, Gastrointestinal diseases, Nematodes, Nematodirus, Oesophagostomum, Ostertagi a, Trichostrongylidae.

7005-69
THE EFFICIENCY OF COPPER SULPHATE, PHENOTHIAZINE AND SODIUM CHLORIDE MIXTURE AGAINST SHEEP HELMINTHOSES. (RUS)
L N Savinkova L A Chukleb
Veterinariya (12):54-55
Dec 1968 41.8 V6426
Anthelmintics, Copper sulfate, Drug therapy, Helminthiasis, Livestock diseases, Phenothiazine, Sheep, Sodium chloride.

7006-69
VOLATILE FATTY ACIDS EXCRETED BY FASCIOLA HEPATICA, L.. (RU)
J Senutaite
Acta Parasitol Lithuanica 8:75-80 REF
1968 436.9 AC8
Acetic acid, Carbohydrates, Excreta, Fasciola hepatica, Fatty acids, Metabolism, Propionic acid. English and Lithuanian abstracts.

7007-69
MATERIALS FOR THE INVESTIGATION OF HELMINTHOSIS PATHOGENESIS. (RUS)
R S Shults E A Davtyan
Veterinariya (12):43-46
Dec 1968 41.8 V6426
Helminthiasis, Livestock diseases, Veterinary medicine.

7008-69
ACHIEVMENTS OF SOVIET INVESTIGATORS IN THE STUDY OF HELMINTH BIOLOGY AND HELMINTHOSIS EPIZOOTIOLOGY. (RUS)
E E Shumakovich
Veterinariya (12):41-43
Dec 1968 41.8 V6426
Biology, Epizootic diseases, Helminthiasis, Helminthology.

7009-69
ADULTS OF EUMEGACETES ARTAMII FROM WHITE LEGHORN PULLETS INFECTED WITH THE METACERCARIAE FROM TWO DRAGONFLIES.
P Singh B P Pande
Cur Sci 37(19):563-564
05 Oct 1968 475 SC123
Chickens, Eumegacetes artamii, Insect vectors, Odonata, Parasitism, Trematoda.

7010-69
OBSERVATIONS ON THE OCCURRENCE OF THELAZIA OR EYEWORM INFECTION OF CATTLE IN NORTHERN NEW SOUTH WALES.
M G Smeal
Australian Vet J 44(11):516-521 REF
Nov 1968 41.8 AU72
Cattle, Eyes, Keratoconjunctivitis, Livestock diseases, Thelazia.

7011-69
FURTHER EXPERIMENTS ON THE TREATMENT OF STRONGYLOIDES INFESTATION OF HORSES WITH THIABENDAZOLE. (GE)
M Stoye
Deut Tierarztl Wochensch 75(24):622-625 REF
15 Dec 1968 41.8 D482
Drug therapy, Horses, Livestock diseases, Nematode infestation, Strongyloides, Thiazolyl)-benzimidizole, 2-(4-.

7012-69
AN IMPROVED PORTABLE SHEEP DIPPING VAT.
R K Strickland O J Hummon J L Hourrigan
Amer Vet Med Ass J 151(2):188-190
15 Jul 1967 41.8 AM3
Agricultural mechanics, Dipping, Equipment, Scabies, Sheep.

7013-69
THE FINE STRUCTURE OF THE SPERMATOZOON OF SHEEP TAPEWORM, MONIEZIA EXPANSA (RUD., 1810)(CYCLOPHYLLIDEA, ANOPLOCEPHALIDAE).
Z Swiderski
Zool Pol 18(4):475-486 REF
1968 410 Z712
Electron microscopy, Moniezia expansa, Sheep.

7014-69
CYTOCHROME C OXIDASE IN MIGRATING LARVAE OF ASCARIS LUMBRICOIDES VAR. SUUM.
S R Sylk
Exp Parasitol 24(1):32-36 REF
Feb 1969 436.8 EX7
Ascaris lumbricoides, Biochemistry, Cytochrome oxidase, Larvae, Metabolism, Swine.

7015-69
ANTHELMINTIC TREATMENT OF SOWS WITH THIABENDAZOLE.
R J Thomas W C Smith
Vet Rec 83(19):489-491 REF
09 Nov 1968 41.8 V641
Anthelmintics, Drug therapy, Hyostrongylus rubidus, Nematode infestation, Oesophagostomum, Parasitism, Swine, Thiazolyl)-benzimidizole, 2-(4-.

7016-69
NEBRASKA'S SPECIFIC PATHOGEN-FREE (SPF) SWINE PROGRAM; TENTH YEAR REPORT.
N R Underdahl R E Coupe D L Ferguson E R Peo M J Twiehaus
Nebr Univ Coll Home Econ Quart Serv Farm Ranch Home 499:15P REF
Jul 1968 100 N27N
Ascariasis, Ascaris, Germ-free life, Livestock diseases, Parasitism, Reports, Swine, Uterus.

7017-69
MONOPHOSPHORIC ACID ESTERS OF HALOGEN CONTAINING 2,2'-METHYLENEDIPHENOLS. PATENT 3,439,069.
S Van Der Meer H Pouwels
Us Patent Office Offic Gaz 861(3):931
15 Apr 1969 156.65 OF2
Drugs, Fascioliasis, Halogens, Methylenediphenols, 2,2'-, Patents, Phosphoric acid esters.

7018-69
ON THE INFECTION OF THE LITHUANIAN BIRDS BY THE CESTODES. (RU)
G Volskis
Acta Parasitol Lithuanica 7:21-29 REF
1968 436.9 AC8
Birds, Cestoda, Ecology, Surveys. English and Lithuanian abstracts.

7019-69
EPIDEMIOLOGY OF HELMINTH INFESTATION OF BEEF CATTLE IN CENTRAL QUEENSLAND.
R Winks
Australian Vet J 44(8):367-372 REF
Aug 1968 41.8 AU72
Animal ecology, Beef cattle, Cattle, Epidemiology, Haemonchus placei, Helminthiasis, Oesophagostomum radiatum.

7020-69
HELMINTHOSIS LIQUIDATION- A RESERVE OF INCREASING ANIMAL PRODUCTION. (RUS)
S A Yakovlev
Veterinariya (12):6-8
Dec 1968 41.8 V6426
Helminthiasis, Livestock diseases.

7021-69
A COMPARATIVE ANALYSIS OF THE LOCALIZATION OF CHOLINESTERASE ACTIVITY IN SOME PARASITIC NEMATODES. II. ASCARIS SUUM, PARASCARIS EQUORUM, NEOASCARIS VITULORUM AND OXYURIS EQUI.
D Znidaric
Vet Arh 37(9-10):268-276 REF
1967 41.8 V6416
Animal physiology, Ascaridae, Biochemistry, Cholinesterases, Nematodes, Oxyuridae. French and yugoslavian abstracts

COMMODITY PROTECTION

7022-69
RADIOBIOLOGICAL DAMAGE: A NEW CLASS IDENTIFIED IN BARLEY SEEDS STORED AFTER IRRADIATION.
B V Conger R A Nilan C F Konzak
Science 162(3858):1142-1143
06 Dec 1968 470 SC12
Barley, Cobalt isotopes, Gamma rays, Plant genetics, Plant physiology, Radiobiology, Seeds, Storage, Temperature.

7023-69
A SINGLE-SPORE ANALYSIS OF RUST PUSTULES PRODUCED BY MIXING ISOLATES OF TWO RACES OF PUCCINIA CORONATA VAR. AVENAE.
A Dinoor J Khair
Can J Bot 46(11):1455-1458
Nov 1968 470 C16C
Culture media, Fungus diseases (plants), Genetics, Injections, Puccinia coronata, Research, Rust.

7024-69
STUDY ON THE IMMUNOGENICITY OF COCOA BEANS. (POR)
Y Levanon S M O Rossetini
Inst Adoolfo Lutz Rev 25/27:1-9 REF
1967 449.9 SA62
Antigens, Cocoa, Fermentation, Immunogenicity, Industry, Ring test. English summary.

STORAGE DISEASES

7025-69
SENSITIVITY OF STORED MELON FRUIT FUNGI TO GAMMA IRRADIATION.
R Barkai-Golan R S Kahan N Temkin-Gorodeiski
Int J Appl Radiat Isotopes 19(7):579-583 REF
Jul 1968 334.8 IN84
Alternaria tenuis, Dosage, Fruit, Fungus diseases (plants), Fusarium, Gamma rays, Irradiation, Melons, Penicillium, Rot, Storage diseases. German, French, and Russian summaries.

7026-69
STUDIES ON STORED GRAIN FUNGI. PART I.--FUNGI FROM WHEAT AND RICE FROM KARACHI.
S M Hasany M Yousuf S S Husain
Pakistan J Sci Indus Res 11(3):288-293
Jul 1968 475 P174
Fungi, Fungicides, Fungus diseases (plants), Mercury chloride, Rice, Wheat.

Fourty-three species of fungi representing seven genera were isolated from rice and wheat stored in godowns in Pakistan. Aspergillus flavus was the most prevalent species found, and surface treatment with 1:1000 Mercuric chloride for five min. greatly inhibited fungal growth.

7027-69
OXYGEN AND CARBON DIOXIDE AFFECT THE GROWTH OF WOOD-DECAYING FUNGI.
K F Jensen
Forest Sci 13(4):384-389 REF
Dec 1967 99.8 F7632
Carbon dioxide, Fungi, Oxygen, Physiology.

7028-69
THE IMPORTANCE OF RELATIVE HUMIDITY IN THE STORAGE OF CEREALS. (POR)
D Puzzi
Biologico 35(1):17-20
Jan 1969 442.8 B529
Grain, Humidity, Sitophilus oryzae, Stored products.

7029-69
A NEW DISEASE OF POTATO TUBERS CAUSED BY GILMANIELLA HUMICOLA BARRON.
D Sahai
Cur Sci 36(23):645-646
05 Dec 1967 475 SC123
Deuteromycetes, Fungus diseases (plants), Morphology, Potatoes, Storage diseases.

Gilmaniella humicola, a fungus, was identified as the agent causing necrotic spots around lenticels and eyes of potatoes. This is the first report of the fungus attaching potato tubers. It may become a serious disease due to its destruction of all the tuber eyes upon storage and thus affecting its seeding capacity.

ARTHROPODS

7030-69
FUMIGATE STORED RICE TO REDUCE LOSS TO INSECTS.
J L Bagent

Rice J 72(3):15-16
Mar 1969 59.8 R36
Aluminum phosphide, Anobiidae, Chemical control (insects), Chlorinated hydrocarbons, Cucujidae, Fumigants, Insect pests, Insecticides, Malathion, Methoxychlor, Organophosphorus compounds, Rice, Storage, Tenebrionidae.

7031-69
LABORATORY TESTS OF FIVE NEW INSECTICIDES AS PROTECTANTS FOR STORED ROUGH RICE. (ABSTRACT).
R R J Cogburn
Rice J 71(13):21
Dec 1968 59.8 R36
Benzylidene O,O-dimethyl phosphorodithioate, S-, Dimethyl O-(4-nitro-tolyl) phosphorothioate, O,O-, Insecticides, Isopropoxyphenyl methylcarbamate, o-, Laboratories, Malathion, Methylbenzyl 3-hydroxy-cis-crotonate dimethyl phosphate, alp o, Rice, Storage. Abstracts furnished by David F. Houston, 223 Behrens St., El Cerrito, Calif.

7032-69
TERMITE WORKERS. (FR)
J de Feytaud
Paris Acad Agr France Compt Rend Hebd Seances 53(4):276-277
1967 14 P215BC
Insect behavior, Isoptera, Reviews, Social insects.

7033-69
PROTECT STORED GRAIN FROM INSECT DAMAGE.
J C French H Womack
11:2P.
May 1968
Dusting, Grain, Insecticides, Insects, Spraying, Storage, Storage injuries, Stored product insects.

7034-69
STORED GRAIN INSECTS AS CARRIER OF FUNGI.
S S Hushin S S Qureshi S A Hasan M Anwarullah
Pakistan J Sci Indus Res 11(3):297-298
Jul 1968 475 P174
Bruchus, Catalogs, Fungi, Sitophilus oryzae, Stored product insects, Tribolium confusum, Trogoderma granarium.

Several stored grain insects, Tribolium confusum, Bruchus chinensis, Trogoderma granarium and Sitophilus oryzae were examined for fungi. Fourteen species representing four genera were isolated.

7035-69
NEW POSSIBILITIES OF PEST CONTROL IN MILLS AND FLOUR STORAGES BY DDVP CHEMICALS. (SE)
B Ilic G Divar I Gici-Kalinovic
Agrohemija (3/4):121-130
1968 385 AG87
Acarina, Chemical control (pests), Dichlorvos, Flour, Laemophloeus, Storage, Tenebrio molitor, Tenebroides mauritanicus, Tribolium. English summary.

7036-69
MASS APPEARANCE AT BRUSSELS OF SITOTROGA CEREALELLA OL. (GELECHIIDAE). (FR)
E Janmoulle
Lambillionea 66(7/10):70-71
05 Sep 1967 420 N15
Food contamination, Gelechiidae, Grain, Insect identification, Insect outbreaks, Sitotroga cerealella, Zoogeography.

7037-69
SAVING STORED RICE FROM ATTACKS OF INSECT PESTS.
P B Mookherjee B N Bose
Indian Farming 17(3):32-33
Jun 1967 22 IN283
Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, Containers, Dieldrin, DDT, Endrin, Insect pests, Insecticides, Pyrethrum, Rice, Sitophilus oryzae, Stored products.

Stored rice to be used only for seed may be protected from insects by spraying with DDT, BHC, dieldrin, endrin, or pyrethrins. Rice for consumption purposes should be parboiled, dried, and stored in air-tight containers.

RODENTS AND OTHER PESTS

7038-69
TOLERANCE STATUS OF SOME RATS TO AN ANTICOAGULANT RAT POISON.
P J Deoras
Cur Sci 36(8):207-208
20 Apr 1967 475 SC123
Anticoagulants, Rats, Rodenticides, Warfarin.

7039-69
SURVIVAL OF ENCYSTED LARVAE OF TRICHINELLA SPIRALIS: EFFECT OF EXPOSURE TO 0 F, USING PRECOOLED AND FRESH GROUND PORK.
C H Hill
Helminthol Soc Wash Proc 33(2):130-133
Jul 1966 436.9 H36
Cold storage, Cysts, Larvae, Pork, Temperature, Trichinella spiralis.

Tests were made on the survival of encysted larvae of Trichinella spiralis in ground pork packages at a temperature of 0 F. The study used pork that had first been precooled at 35 F for 104 to 171 days and pork from freshly killed hogs. Larvae in precooled pork survived for as long as 280 hours but only for 232 hours in fresh pork. These results indicated that precooling or preconditioning increases the resistance of larvae to the lethal effects of a temperature of 0 F.

7040-69
ANTICOAGULANT RESISTANCE IN EUROPE.
W B Jackson
Pest Contr 37(3):51-55
Mar 1969 449.8 EX8
Anticoagulants, Coumarin, Rats, Rodent control, Rodenticides, Warfarin.

7041-69
THIEVES IN THE POULTRY HOUSE.
W A Kollner
Poultry Farmer (Sydney) 36(29):10-12,14-15
25 Jan 1969 280.28 OR32
Animal breeding, Animal vectors, Norbormide, Poisons, Poultry, Rats, Rodent control, Rodenticides, Warfarin.

7042-69
THESE WEEDS MEAN TROUBLE.
L J Matthews B E Manson
New Zeal J Agr 118(4):33-35,37,39 MAP
Apr 1969 23 N48J
Algae, Aquatic weeds, Biological control (weeds), Chemical control (weeds), Diquat, Electric power generation, Floods, Herbicides, Paraquat, Water pollution, Weed control.

Aquatic weeds in New Zealand are causing considerable economic problems in reducing the efficiency of electric power plants, causing water pollution, and killing desirable aquatic fauna. All of the control techniques are very expensive and none are both effective and safe for other members of the ecosystem.

7043-69
CONTROL OF RODENTS. (POR)
J C Queiroz
Biologico 33(7):151-154
Jul 1967 442.8 B529
Aldrin, Arsenic, Chemical control (pests), Chlorinated hydrocarbons, Dieldrin, Insecticides, Rodenticides, Rodents, Storage, Warfarin.

7044-69
NOTE ON THE EVALUATION OF THE EFFICACY OF RODENTICIDES.
E Radova
J Hyg Epidemiol Microbiol Immunol 11(4):511-515
1967 448.8 J826
Chemical control (pests), Methodology, Pesticide analysis, Rats, Rodenticides, Zinc phosphide, 1-(1-naphthyl)-2-thiourea.

7045-69
THE MURIDS IN THE VICINITY OF LAKE KIVU AND NEIGHBORING REGIONS (CENTRAL AFRICA) AND THEIR ECOLOGY. (FR)
U Rahm
Rev Suisse Zool 74(2):439-520 MAP REF
Sep 1967 410 R324
Animal ecology, Behaviorism, Catalogs, Climate, Habitats, Rodents, Sex ratios, Surveys, Zoogeography.

7046-69
ESTIMATION OF MARINE-BORER ATTACK ON WOODEN SURFACES.
C C Walden I V F Allen P C Trussell
Can Fish Res Board J 24(2):261-272
Feb 1967 442.9 C16J
Ecology, Limnoria, Marine biology, Marine borers, Teredo, Wood borers.

MICROBIAL CONTAMINATION

7047-69
INTERACTION OF SALT, PH, AND TEMPERATURE ON THE GROWTH AND SURVIVAL OF SALMONELLAE IN GROUND PORK.
J A Alford S A Palumbo
Appl Microbiol 17(4):528-532 REF
Apr 1969 448.3 AP5
Bacteria, Culture media, Food contamination, Mortality, Pork, Salmonella, Sodium chloride, Temperature.

7048-69
FURTHER STUDIES ON THE SCREENING TECHNIQUE FOR DETERMINING SALMONELLA-NEGATIVE SAMPLES OF PASTEURIZED DRIED EGG.
G J Banwart M J Kreitzer
Poultry Sci 48(1):235-240
Jan 1969 47.8 AM33P
Eggs, Food contamination, Microbiology, Salmonella bacterins.

7049-69
SALMONELLA CONTROL PROGRAMS: BAKING INDUSTRY.
W B Bradley
Ass Food Drug Offic Us Quart Bull 32(3):140-141
Jul 1968 389.9 AS7Q
Baking, Egg whites, Flour, Food contamination, Human diseases, Infectious diseases, Salmonellosis.

7050-69
SALMONELLA FOOD POISONING ASSOCIATED WITH IMPORTED CANNED MEAT.
R C S Burnett B I Davies
J Hyg 65(1):1-8
Mar 1967 449.8 J82
Canned food, Food poisoning, Pork, Salmonella.

7051-69
THE PIGMENTED COLIFORMS OF DEHYDRATED FOOD. (FR)
M Catsaras
Inst Pasteur Lille Ann 18:177-183
1967 448.39 IN75
Bacteria, Culture media, Dried food, Enterobacteriaceae, Food contamination, Pigmentation. English summary.

7052-69
NOTE ON A MICROBIOLOGICAL ASSAY FOR AFLATOXIN B,: A RAPID CONFIRMATORY TEST BY EFFECTS ON GROWTH OF BACILLUS MEGATERIUM.
N L Clements
Ass Offic Anal Chem J 51(3):611-612

May 1968 381 AS7
Aflatoxin, Bacillus megaterium, Biological assay, Food contamination, Microbiology, Physiology.

7053-69
RAPID CONFIRMATORY TEST FOR AFLATOXIN B, USING BACILLUS MEGATERIUM.
N L Clements
Ass Offic Anal Chem J 51(6):1192-1194
Nov 1968 381 AS7
Aflatoxin, Bacillus megaterium, Chromatography, Food contamination, Microbiology.

7054-69
INVESTIGATIONS INTO THE SOURCE OF BACTERIAL CONTAMINATION OF PORK. II. IN STEAMING. (BU)
H Delchev D Savov
Vet Med Nauk 5(2):67-73
1968 41.8 V6468
Bacteria, Benzene, Chlorine, Food contamination, Pork, Salmonella, Steam, Temperature. English and russian summaries.

7055-69
LOW TEMPERATURE GROWTH OF TYPE E CLOSTRIDIUM BOTULINUM SPORES. I. EFFECTS OF SODIUM CHLORIDE, SODIUM NITRITE AND PH. 2. EFFECTS OF SOLUTES AND INCUBATION TEMPERATURE.
A S Emodi R V Lechowich
J Food Sci 34(1,JAN-FEB):78-87 REF
1969 389.8 F7322
Bacteria, Biochemistry, Clostridium botulinum, Culture media, Food contamination, Sodium chloride, Sodium nitrite, Solutes, Temperature.

7056-69
COMPARISON OF TWO PROCEDURES FOR DETECTION OF SALMONELLA IN FOOD, FEED, AND PHARMACEUTICAL PRODUCTS.
L D Fantasia W H Sperber R H Deibel
Appl Microbiol 17(4):540-541
Apr 1969 448.3 AP5
Bacteriology, Feed, Food contamination, Salmonella, Serological tests.

7057-69
HEAT RESISTANCE OF SALMONELLA IN VARIOUS EGG PRODUCTS.
J A Garibaldi R P Straka K Ijichi
Appl Microbiol 17(4):491-496 REF
Apr 1969 448.3 AP5
Bacteria, Eggs, Food contamination, Heat treatment, Poultry products, Salmonella, Sucrose.

7058-69
GAS CHROMATOGRAPHIC ANALYSIS OF HEAD-SPACE VAPORS TO IDENTIFY MICROORGANISMS IN FOODS.
P A Guarino A Kramer
J Food Sci 34(1,JAN-FEB):31-37 REF
1969 389.8 F7322
Bacteria, Chromatography, Culture media, Food contamination, Microorganisms.

The bacteria tested for food contamination were: Proteus, Escherichia, Salmonella, Citrobacter, Enterobacter, Alkaligenes, and Pseudomonas.

7059-69
THE ISOLATION OF SALMONELLAS FROM ANIMAL FEEDINGSTUFFS.
R W S Harvey T H Price
J Hyg 65(2):237-244 REF
Jun 1967 449.8 J82
Bone meal, Culture media, Feed, Food contamination, Meat, Salmonella.

7060-69
ON THE BIOCHEMICAL ACTIVITY OF MICROORGANISMS IN THE PROCESS OF MEAT DEGRADATION. (GE)
S Kendereski
Schlacht-viehhof-zeit 68(9):365-368 REF
Sep 1968 286.85 D48
Biochemistry, Degradation, Food contamination, Meat, Microorganisms.

7061-69
PENICILLIN AND OTHER INHIBITORY SUBSTANCES IN MILK: THE DEVELOPMENT AND APPLICATION OF A ROUTINE TEST IN NEW ZEALAND.
W A McGillivray P S Robertson P J Liddell
New Zeal J Dairy Technol 1(1):4-9 REF
Mar 1966 SF221.N4
Antibiotics, Bromocresol purple, Chemical indicators, Dairy industry, Inhibitors, Milk, Milk analysis, Penicillin, Residues, Streptococcus thermophilus.

7062-69
INVESTIGATIONS CONCERNING THE MICROFLORA OF ISTERBAND , A SWEDISH FERMENTED TYPE OF SAUSAGE. (SW)
K Ostlund B Regner
Nord Veterinaermed 20(10):527-542 REF
Oct 1968 41.8 N813
Bacillus cereus, Fermentation, Food analysis, Food contamination, Lactobacillaceae, Microflora, Salmonella typhimurium, Sausages, Staphylococcus aureus. English and German summaries.

7063-69
PRODUCTION OF ENTEROTOXIN-B IN CURED MEATS. GENIGEORGIS, C.
H Riemann W W Sadler
J Food Sci 34(1,JAN-FEB):62-68 REF
1969 389.8 F7322
Bacteria, Biochemistry, Culture media, Food contamination, Meat, Staphylococcus aureus, Toxins.

7064-69
SALMONELLA IN MEAT IMPORTED FROM SOUTH AMERICAN COUNTRIES.
M van Schothorst E H Kampelmacher
J Hyg 65(3):321-325
Sep 1967 449.8 J82
Beef, Feed, Food contamination, Horsemeat, Salmonella, Surveys.

7065-69
DRY MILK EQUIPMENT DESIGN AND ITS RELATION TO THE SALMONELLA PROBLEM.
R G Semerad
Milk Food Sanit Annu Rep 41:117-124
Dec 1967 44.9 N4833
Bacteria, Dried milk, Equipment, Human diseases, Microbial contamination, Salmonella.

7066-69
ACTION OF MICROORGANISMS ON THE PEROXIDES AND CARBONYLS OF FRESH LARD.
J L Smith J A Alford
J Food Sci 34(1,JAN-FEB):75-78 REF
1969 389.8 F7322
Biochemistry, Carbonyl group, Culture media, Food contamination, Lard, Microorganisms, Peroxides. Twenty eight microorganisms were studied.

7067-69
ON THE USE OF TEGO 51 IN ANIMAL FOOD INDUSTRIES--TOXICITY AND BACTERICIDAL PROPERTIES. (POR)
B Soerensen H S Correa L Z Neto
Biologico 35(1):3-7
Jan 1969 442.8 B529
Bactericides, Dodicin, Enterobacteriaceae, Feed additives, Industrial medicine, Mice, Toxicology. English abstract.

7068-69
ACCELERATED PROCEDURE FOR SALMONELLA DETECTION IN DRIED FOODS AND FEEDS INVOLVING ONLY BROTH CULTURES AND SEROLOGICAL REACTIONS.
W H Sperber R H Diebel
Appl Microbiol 17(4):533-539
Apr 1969 448.3 AP5
Bacteriology, Culture media, Dried food, Feed, Food contamination, Salmonella, Serological tests.

7069-69
CAUSES OF CAN SWELLING AND BLACKENING OF CANNED BABY CLAMS. 3. BACTERIOLOGY AND CHEMISTRY OF SEA-BOTTOM MUD INVOL VED IN CAN SPOILAGE.
E Tanikana T Motohiro M Akiba
J Food Sci 34(1,JAN-FEB):88-92 MAP REF
1969 389.8 F7322
Bacteria, Biochemistry, Calcium chloride, Canned food, Clams, Food contamination.

ENVIRONMENTAL CONTAMINATION

7070-69
STRONTIUM-90: CONCENTRATIONS IN SURFACE WATERS OF THE ATLANTIC OCEAN.
V T Bowen V E Noshkin H L Volchok T T Sugihara
Science 164(3881):825-827 REF
16 May 1969 470 SC12
Quantitative analysis, Radioactive contamination, Strontium isotopes, Water analysis.

7071-69
DDT: THE CRITICS ATTEMPT TO BAN ITS USE IN WISCONSIN.
L J Carter
Science 163(3867):548-551
07 Feb 1969 470 SC12
Agricultural industries, Dieldrin, DDT, Pesticide residues, Pesticides, Water analysis, Water pollution.

7072-69
ENVIRONMENTAL POLLUTION: SCIENTISTS GO TO COURT.
L J Carter
Science 158(3808):1552-1556
22 Dec 1967 470 SC12
Dieldrin, DDT, Environment, Insect control, Legislation, Pesticides, Spraying, Water pollution.

7073-69
PESTICIDES AND MAN'S ENVIRONMENT.
D H Jenkins
Amer Forests 75(1):30-31,46-47
Jan 1969 99.8 F762
Dieldrin, DDT, Insecticide residues, Legislation.

Persistent pesticides which contribute heavily to environmental contamination have aroused Michigan communities. recommendations from various groups are discussed.

7074-69
ENVIRONMENTAL CONTAMINATION PROBLEMS. (SW)
S Jensen
Fauna Flora (Uppsala) 63(5):190-195
Dec 1968 442.8 F27
Chlorinated hydrocarbons, DDT, Ecology, Environment.

7075-69
WATER POLLUTION AND AGRICULTURE. (FR)
France Min Agr Bull Tech Inform (224):881P
Nov 1967 14 F844B
Aerial spraying, Agriculture, Aquatic animals, Biology, Irrigation, Lakes, Pesticide residues, Temperature, Water analysis, Water pollution.

7076-69
BIOLOGICAL INVESTIGATIONS OF AN INFILTRATION AREA AND EXPERIMENTS WITH SOME ALGICIDES.
V Moravcova
Hydrobiologia 29(3-4):505-546 REF
30 May 1967 410 H992
Algae, Algicides, Antibiotics, Cycloheximide, Plankton, Silver nitrate, Water treatment.

7077-69
DDT: CRITICISM, CURBS ARE ON THE UPSWING.
M Mueller
Science 164(3882):936-937
23 May 1969 470 SC12
Accident prevention, Chlorinated hydrocarbons, DDT, Insecticide residues, Legislation, Salmon, Water pollution.

7078-69
WILL THE USE OF 2,4,5-T TO CONTROL STREAMSIDE VEGETATION CONTAMINATE PUBLIC WATER SUPPLIES .
I C Reigner W E Sopper R R Johnson
J Forest 66(12):914-918 REF
Dec 1968 99.8 F768
Environment, Herbicide residues, Streams, T, 2,4,5-, Weed control.

7079-69
PESTICIDES: TRANSATLANTIC MOVEMENTS IN THE NORTHEAST TRADES.
R W Risebrough R J Huggett J J Griffin E D Goldberg
Science 159(3820):1233-1236 REF
15 Mar 1968 470 SC12
Air pollution, Chlorinated hydrocarbons, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, Dieldrin, DDT, Pesticide residues, Water pollution.

7080-69
AGRICULTURAL PESTICIDES AND THEIR DETRACTORS. (FR)
Siriez
Agriculture (paris) 31(316):311-315
Dec 1968 14 AG823
Aflatoxin, Balance of nature, Birds, Cancer, Chemical control (pests), Dosage, History, Pesticides, Plant protection, Regulation (pesticides).

7081-69
INTERACTION OF PESTICIDES WITH NATURAL ORGANIC MATERIAL.
R L Wershaw P J Burcar M C Goldberg
Environ Sci Technol 3(3):271-273 REF
Mar 1969 TD420.A1E5
Chlorinated hydrocarbons, DDT, Humic acids, Organic compounds, Pesticides, Phenoxy acid compounds, Sodium humate, Soil chemistry, T, 2,4,5-, Water analysis.

RESIDUES

7082-69
BIOASSAY OF CAPTAN BY ZEBRAFISH LARVAE.
Z H Abedi W P Mckinley
Nature 216(5122):1321-1322
30 Dec 1967 472 N21
Biological assay, Captan, Chlorinated hydrocarbons, Fish, Fungicides, Larvae, Methodology, Pesticide residues.

7083-69
PERSISTENT PESTICIDES.
P H Abelson
Science 164(3880):633
09 May 1969 470 SC12
Chlorinated hydrocarbons, DDT, Endrin, Malathion, Pesticide residues, Pesticides, Regulation (pesticides), Volatile substances.

7084-69
SOIL FACTORS CONTRIBUTING TO ATRAZINE CARRYOVER.
R S Jr. Adams
Minn Sci 25(1,FALL):9-12
1968 100 M668
Atrazine, Chemical control (weeds), Corn, Herbicides, Pesticide application, Pesticide residues, Soils, Soybeans, Sugar beets, Weather.

7085-69
REDUCTION OF RESIDUES OF HEPTACHLOR AND CHLORDANE IN CARROTS WITH SOIL APPLICATIONS OF ACTIVATED CARBON.
J F Ahrens J B Kring
J Econ Entomol 61(6):1540-1543 REF
16 Dec 1968 421 J822
Carrots, Chlordane, Chlorinated hydrocarbons, DDT, Heptachlor, Insecticide residues, Radishes, Soil sanitation.

7086-69
THE EFFECT OF A PRETREATMENT WITH PHENOBARBITAL ON THE METABOLISM OF DDT IN DAIRY COWS AND YOUNG BULLS.
J G Alary M G Brodeur J C Cote J C Panisset P Lamothe P Guay
Rev Can Biol 27(3):269-271 REF
Sep 1968 442.8 R325
Adipose tissue (animals), Animal nutrition, Cattle, DDT, Insecticide residues, Livestock diseases, Metabolism. English and french abstract

7087-69
DDT. SUBLETHAL EFFECTS ON BROOK TROUT NERVOUS SYSTEM.
J M Anderson M R Peterson
Science 164(3878):440-441
25 Apr 1969 470 SC12
Chlorinated hydrocarbons, DDT, Nervous system, Temperature, Trout.

7088-69
UNIVERSITY OF WISCONSIN SCIENTISTS DISCUSS INSECTICIDES AND POLLUTION.
Anonymous
Com Fert Plant Food Indus 118(3):8-9
Mar 1969 57.8 C73
Biological control (insects), Chemical control (insects), Chlorinated hydrocarbons, DDT, Insecticide application, Insecticide residues, Insecticides, Regulation (pesticides).

7089-69
NO SERIOUS PROBLEM WITH PESTICIDE RESIDUES.
Anonymous
Fruit World Market Grower 69(11):44
11 Nov 1968 80 F948
Chlorinated hydrocarbons, DDT, Foreign trade, Pesticide residues, Quarantine, Surveys.

7090-69
MORE ABOUT THE PESTICIDE RESIDUE PROBLEM.
Anonymous
Farm Res News 9(5,SEP/OCT):106
1968 10.5 F223
Aldrin, Chlorinated hydrocarbons, Dieldrin, DDT, Lindane, Pesticide residues.

7091-69
DETERMINATION OF RESIDUAL BHC AND LINDANE QUANTITIES IN THE SOIL AND PLANTS AND INVESTIGATIONS ON THEIR TOXICITY. (BU)
I Balinov
Rastenievud Nauk 5(3):93-101
1968 64.8 R18
Beets, Benzene hexachloride, Chlorinated hydrocarbons, Crops, Dosage, Insecticide residues, Insecticides, Lindane, Plant injuries, Toxicology. English and Russian summaries.

7092-69
CONTRIBUTION OF AERIAL CONTAMINATION TO THE ACCUMULATION OF DIELDRIN BY MATURE CORN PLANTS.
H L Barrows J H Caro W H Armiger
Environ Sci Technol 3(3):261-263 REF
Mar 1969 TD420.A1E5
Air pollution, Chlorinated hydrocarbons, Corn, Dieldrin, Insecticide residues, Insecticides.

7093-69
POPULATIONS OF DALAPON-DECOMPOSING BACTERIA IN SOIL AS INFLUENCED BY ADDITIONS OF DALAPON OR OTHER CARBON SOURCES.
W D Burge
Appl Microbiol 17(4):545-550 REF
Apr 1969 448.3 AP5
Carbon, Chlorinated hydrocarbons, Dalapon, Decomposition, Herbicides, Soil bacteria.

7094-69
EFFECTS OF THE INSECTICIDE SEVIN ON SURVIVAL AND GROWTH OF THE COCKLE CLAM CLINOCARDIUM NUTTALLI.
J A Butler R E Millemann N E Stewart
Can Fish Res Board J 25(8):1621-1635
Aug 1968 442.9 C16J
Carbaryl, Clams, Insecticide residues, Statistical analysis.

7095-69
ACCUMULATION OF DDT AND DIELDRIN BY MICROORGANISMS.
C I Chacko J L Lockwood
Can J Microbiol 13(8):1123-1126
Aug 1967 448.8 C162
Absorption, Dieldrin, DDT, Pesticides, Soil properties.

7096-69
IN VITRO DEGRADATION OF DDT BY INTESTINAL CONTENTS OF ATLANTIC SALMON (SALMO SALAR).
A D Cherrington U Paim O T Page
Can Fish Res Board J 26(1):47-54 REF
Jan 1969 442.9 C16J
Chlorinated hydrocarbons, Chromatography, Degradation, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Fish, Intestines, Microflora, Microorganisms, Salmon, Sterilization, Streptomycin, TDE.

7097-69
EFFECT OF DDT AND DIELDRIN ON RNA AND PROTEIN SYNTHESIS IN SUBCELLULAR FRACTIONS OF HELA S CELLS.
R A Chung Y D Lin R W Brown
J Agr Food Chem 16(2,MAR-APR):298-299 REF
1968 381 J8223
Biochemistry, Cells, Culture media, Dieldrin, DDT, Pesticide residues, Physiology, Proteins, Ribonucleic acid, Synthesis.

7098-69
SOME OBSERVATIONS ON THE EFFECTS OF USING ORGANOCHLORINE SPRAYS IN AN ORCHARD.
N Collett D L Harrison
New Zealand J Sci 11(2):371-379 REF
Jun 1968 514 N482
Autopsies, Birds, DDT, Insecticide residues, Lindane, Orchards, Soil analysis, Spraying. English abstract

7099-69
PESTICIDE RESIDUES ARE NOT A PROBLEM.
Austral Sugar J 60(10):547
Jan 1969 65.8 AU7
Agricultural industries, Agricultural research, Chemical control (pests), Dieldrin, DDT, Pesticide residues, Pesticide safety, Pesticides, Surveys.

7100-69
AN EPIDEMIOLOGIC APPLICATION OF THE STUDY OF DDE LEVELS IN WHOLE BLOOD.
J E Davies W F Edmundson A Maceo A Barquet J Cassady
Amer J Public Health Nat Health 59(3):435 REF
Mar 1969 449.9 AM3J
Blood composition, Chlorinated hydrocarbons, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Epidemiology, Histology, Humans, Pesticide residues.

7101-69
OIL DEPOSIT ON GRAPEFRUIT LEAVES WITH 3 TYPES OF SPRAY EQUIPMENT IN RELATION TO CONTROL OF CERTAIN CITRUS PESTS.
H A Dean M T Waddell A Shull

Rio Grande Val Hort Soc J 22:35-41
1968 81 L95
Aonidiella aurantii, Chemical control (insects), Citrus, Diaspididae, Grapefruit, Insect pests, Insecticide application, Insecticides, Mineral oil, Particle size determination, Spraying equipment, Surface-active agents.

7102-69
INDUSTRIAL FERTILIZERS AS HERBICIDES SEEN IN THE LIGHT OF NEW AND OLD EXPERIMENTS. (CZ)
F Duchon
Agrochemia 8(7):193-195 REF
1968 385 AG88
Ammonium sulfate, Chemical control (weeds), D, 2,4-, Dinoseb, Fertilizers, Herbicide residues, Herbicides, Nitrated phenols, Phenoxy acid compounds, Potassium, Salts, Soil analysis, Soil chemistry. English, Russian, and German summaries.

7103-69
EFFECTS ON WILD YOUNG SALMON OF SPRAYING DDT OVER NEW BRUNSWICK FORESTS.
P F Elson
Can Fish Res Board J 24(4):731-767 MAP REF
Apr 1967 442.9 C16J
Chlorinated hydrocarbons, DDT, Insecticide residues, Insecticides, Mortality, Salmon, Water pollution.

7104-69
THE INFLUENCE OF SOME ELECTROLYTES ON THE ADSORPTION AND RELEASE OF SYMMETRICAL TRIAZINES ON SOME ORGANIC COLLOIDS. (IT)
P Fusi R Corsi
Agrochimica 12(2/3,FEB-APRE: 09-119 REF
1968 385 AG84
Adsorption, Atrazine, Electrolytes, Pesticide residues, Pesticides, Prometryne, Simazine, Soil chemistry, Soil colloids, Triazines. English, French, German and Spanish summaries.

7105-69
NO EFFECT LEVEL OF DDT IN INDUCTION OF MICROSOMAL EPOXIDATION.
J W Gillett
J Agr Food Chem 16(2,MAR-APR):295-297 REF
1968 381 J8223
Aldrin, Dieldrin, Diet, DDT, Liver, Pesticide residues, Rats.

7106-69
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURE COMMODITIES. DDT.
J L Goddard
Fed Regist 33(125,PT.1):9396
27 Jun 1968 L1.451
Chemicals, DDT, Food plants, Insecticides, Pesticide residues.

7107-69
TOXICITY OF PESTICIDES TO MAN: RISKS FROM PRESENT LEVELS.
W J Hayes
Roy Soc Proc Ser B, Biol Sci 167(1007):101-127 REF
21 Feb 1967 501 L84B
Abnormalities, Aging, Biochemistry, Carcinogenesis, Dosage, Metabolism, Neoplasms, Nutrition, Pesticide residues, Pesticide synergists, Pesticides, Sex, Toxicology.

7108-69
CHLORINATED HYDROCARBONS AND EGGSHELL CHANGES IN RAPTORIAL AND FISH-EATING BIRDS.
J J Hickey D W Anderson
Science 162(3850):271-273 REF
11 Oct 1968 470 SCI2
Birds, Chlorinated hydrocarbons, Ecology, Fish, Insecticides, Pesticide residues, Population statistics, Reproduction.

7109-69
ORGANOCHLORINE PESTICIDES IN SEALS.
A V Holden K Marsden
Nature 216(5122):1274-1276 REF
30 Dec 1967 472 N21
Adipose tissue (animals), Animal histology, Chemical control (pests), Chlorinated hydrocarbons, Pesticide residues, Seals (animals). The pesticides discussed are: Dieldrin, DDT, DDE, TDE, MDE, PCB.

7110-69
PERSISTENT PESTICIDES: A PROBLEM.
E M Holst
Holly Agr News 15(3,FALL):15-16
1967 66.8 H72
Chlorinated hydrocarbons, Degradation, Insecticides, Nematocides, Pesticide residues, Plant biochemistry, Sugar beets. Many persistent pesticides were noted.

7111-69
EFFECTS OF FOREST SPRAYING WITH DDT IN NEW BRUNSWICK ON FOOD OF YOUNG ATLANTIC SALMON.
M H A Keenleyside
Can Fish Res Board J 24(4):807-822 MAP REF
Apr 1967 442.9 C16J
Chemical control (insects), Chlorinated hydrocarbons, DDT, Fish, Food supply, Insecticide residues, Insecticides, Water pollution.

The changes in food content of the digestive systems of salmon were analyzed after aerial applications of DDT were made in forested areas of New Brunswick.

7112-69
FISH LOSSES AFTER FOREST SPRAYINGS WITH INSECTICIDES IN NEW BRUNSWICK, 1952-62, AS SHOWN BY CAGED SPECIMENS AND OTHER OBSERVATIONS.
C J Kerswill H E Edwards
Can Fish Res Board J 24(4):709-729 MAP REF
Apr 1967 442.9 C16J
DDT, Fish, Insecticide residues, Insecticides, Mortality, Water pollution.

The survival of fish in forested areas sprayed with different percentages of DDT for budworm control is discussed. Caged and free-living salmon and brook trout were examined.

7113-69
STUDIES ON EFFECTS OF FOREST SPRAYINGS WITH INSECTICIDES, 1952-63, ON FISH AND AQUATIC INVERTEBRATES IN NEW BRUNSWICK STREAMS: INTRODUCTION AND SUMMARY.
C J Kerswill
Can Fish Res Board J 24(4):701-708 MAP REF
Apr 1967 442.9 C16J
Chemical control (insects), Choristoneura fumiferana, DDT, Forest management, Insecticide residues, Marine biology, Salmon, Water pollution.

A review is presented of insecticide sprays used in New Brunswick and fisheries checked for insecticide residues in fish and water from 1952 through 1963. This is the introductory paper of a series.

7114-69
EXPERIENCE WITH A SHORTER EXTRACTION PROCEDURE FOR INSECTICIDE RESIDUES FROM LIQUID MILK PRODUCTS. (GE)
F Kiermeier G Wildbrett M Rudolphi
Z Lebensmittel-untersuchung -forsch 135(3):122-125
16 Oct 1967 384 Z39
Dairy products, Food contamination, Insecticide residues, Milk analysis.

7115-69
TOLERANCE AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. SIMAZINE.
J K Kirk
Fed Regist 34(97):7962
21 May 1969 L1.451
Agricultural products, Herbicide residues, Herbicides, Simazine, Tolerances.

7116-69
BORAX AND BORIC ACID. PROPOSED ESTABLISHMENT OF PESTICIDE TOLERANCE.
J K Kirk
Fed Regist 34(104,PT 1):8372
30 May 1969 L1.451
Borax, Boric acid, Citrus, Fungicides, Pesticide residues, Sodium tetraborate decahydrate, Tolerances.

7117-69
CALCIUM OXYTETRACYCLINE. NOTICE OF EXTENSION OF TEMPORARY TOLERANCE.
J K Kirk
Fed Regist 34(74):6670
18 Apr 1969 L1.451
Agricultural legislation, Agricultural products, Calcium oxytetracycline, Peaches, Pesticide residues, Regulations, Tolerances.

7118-69
SOIL DEGRADATION OF DIAZINON, A PHOSPHOROTHIOATE INSECTICIDE.
J G Konrad D E Armstrong G Chesters
Agron J 59(6,NOV-DEC):591-594 REF
Dec 1967 4 AM34P
Adsorption, Diazinon, Hydrolysis, Insecticide residues, Soil hydrogen-ion concentration, Soil organic matter.

7119-69
EFFECT OF DIRECT STEAM HEATING AND VACUUM TREATMENT ON LEVELS OF PESTICIDE RESIDUES IN MILK.
R A Ledford J H Chen W F Shipe
J Dairy Sci 51(2):219-220
Feb 1968 44.8 J822
Dieldrin, Distillation, DDT, Lindane, Milk, Pesticide residues, Steam.

7120-69
TDE (OR DDD). PROPOSED REDUCTION OF TOLERANCES FOR RESIDUES IN OR ON RAW AGRICULTURAL COMMODITIES.
H L Ley
Fed Regist 34(97):7974
21 May 1969 L1.451
Agricultural products, Chlorinated hydrocarbons, Insecticide residues, TDE, Tolerances, Vegetables.

7121-69
ORGANOCHLORINE INSECTICIDE RESIDUES IN COMPLETE PREPARED MEALS: A 12-MONTH SURVEY IN S. E. ENGLAND. (ABSTRACT).
A E J McGill J Robinson
Excerpta Med Pharm Toxicol 21(12):599-600
Dec 1968 241.64 EX23
Chlorinated hydrocarbons, Dieldrin, DDT, Food, Insecticides, Milk, Pesticide residues, Surveys. From Food Cosmetology and Toxicology, 1968, 6/1, (45-57).

7122-69
TRANSLOCATION OF DIAZINON FROM PLANTING WATER BY CABBAGE AND TOBACCO SEEDLINGS.
J R W Miles G F Manson W W Sans H D Niemczyk
Can J Plant Sci 47(2):187-192
Mar 1967 450 C16
Cabbage, Diazinon, Insecticide residues, Plant translocation, Tobacco.

7123-69
THE EFFECT OF HERBICIDE RESIDUE IN THE SOIL ON THE YIELD OF WINTER WHEAT. (SE)
B Milojic M Misovic
Beograd Univ Zb Rad Poljopr Fak 15(455):13P REF
1967 106 B41Z

Atrazine, Chemical control (weeds), Crop yields, Herbicide residues, Herbicides, Simazine, Soils, Wheat. English summary.

7124-69
INVESTIGATION OF SHEEP DIPS. 3. THE INFLUENCE OF BREED ON STRIPPING AND DEPOSITION IN THE FLEECE OF DIAZINON.
D K O'Neill S P Hebden
Australian Vet J 44(8):344-349 REF
Aug 1968 41.8 AU72
Diazinon, Dust (soil), Insecticides, Measurement, Organophosphorus compounds, Sheep breeds, Suint, Wool fat.

7125-69
DDT RESIDUES ABSORBED FROM ORGANIC DETRITUS BY FIDDLER CRABS.
W E Odum G M Woodwell C F Wurster
Science 164(3879):576-577 REF
02 May 1969 470 SC12
Absorption, Chlorinated hydrocarbons, Crabs, DDT, Metabolites, Pesticide residues.

7126-69
DDT RESIDUES ABSORBED FROM ORGANIC DETRITUS BY FIDDLER CRABS.
W E Odum G M Woodwell C F Wurster
Science 164(3879):576-577 REF
02 May 1969 470 SC12
Absorption, Chlorinated hydrocarbons, Crabs, DDT, Insecticide residues, Metabolites.

7127-69
TOXICOLOGY OF PLANT PROTECTION PREPARATIONS. TOLERANCE LIMITS FOR TOXIC RESIDUES. (IT)
P Pagani
Romagna Agr Zoot 52(8):308-314
Aug 1967 16 R66
Agricultural products, Chlorinated hydrocarbons, Fruit, Meat, Pesticide residues, Regulations.

Includes a 1960 table from the Food and Drug Administration, Washington, D.C. setting forth giving residue tolerance limits for 43 pesticides in 17 categories of agricultural products.

7128-69
AN INVESTIGATION OF THE CONTENT OF THE CHLORINATED HYDROCARBON RESIDUES OF THE CRUSTACEAN PLANKTON IN THE BALATON.
J E Ponyi F Csonti F Baron
Tihany Biol Kutatointezetenek Evkon 35:183-189 REF
1968 442.9 M27
Chlorinated hydrocarbons, Dosage, Pesticide residues, Plankton, Spraying. Russian and Hungarian summaries.

7129-69
RETENTION AND VOOATILIZATION OF LINDANE AND DDT IN PRESENCE OF ORGANIC COLLOIDS ISOLATED FROM SOILS AND LEONARDITE.
L K Porter W E Beard
J Agr Food Chem 16(2,MAR-APR):344-347
1968 381 J8223
Colloids, DDT, Laumontite, Lindane, Pesticide residues, Radioactivity, Soils, Temperature, Volatile substances.

7130-69
RESIDUES OF DIELDRIN (HEOD) IN THE TISSUES OF EXPERIMENTALLY POISONED BIRDS.
J Robinson V K H Brown A Richardson M Roberts
Life Sci 6(11,PT 1):1207-12-20
01 Jun 1967 442.8 L62
Birds, Dieldrin, Insecticide residues, Statistical analysis, Toxicology.

7131-69
PHARMACODYNAMICS OF DIELORIN IN PIG EONS.
J. Robinson A Richardson V K H Brown
Nature 213(5077):734-736 REF
18 Feb 1967 472 N21
Animal histology, Animal physiology, Chlorinated hydrocarbons, Dieldrin, Insecticide residues, Pigeons.

7132-69
INSECTICIDE RESIDUES IN SPRING WHEAT PLANTS GROWN IN THE FIELD FROM SEED TREATED WITH ALDRIN OR HEPTACHLOR.
J G Saha R H Burrage
Can J Plant Sci 47(1):114-115
Jan 1967 450 C16
Aldrin, Heptachlor, Insecticide residues, Seed treatment, Wheat.

7133-69
SOME EFFECTS OF DIAZINON ON THE MICROFLORA OF SUBMERGED SOILS.
N Sethunathan I C MacRae
Plant Soil 30(1):109-112
Feb 1969 450 P696
Algae, Diazinon, Insecticide residues, Microflora, Organophosphorus compounds, Soil chemistry.

7134-69
BIRDS AND AGRI CULTURE. (FR)
H Siriez
Bull Inform Rizicult France (110,MAY-JUN):24
1967 59.8 B872
Agriculture, Balance of nature, Birds, Pesticide residues, Pesticides. This is a book review

7135-69
PESTICIDE RESIDUES.
K J Smith
Us Agr Res Serv Ars-72 (72-69):69-74
Jan 1969 A381 R31
Agricultural industries, Cotton, DDT, Food contamination, Pesticide residues, Pesticides, Tolerances.

7136-69
HIGH PRAISE FOR LOW VOLUME INSECTICIDE SPRAYING.
J F Spears
Pest Contr Oper News 27(12):18-20
Dec 1967 SB951.A1P4
Anthonomus grandis, Circulionidae, Insecticide application, Insecticides, Malathion, Organophosphorus compounds, Pesticide residues, Plant protection, Spraying, Volumetric analysis.

7137-69
PESTICIDE LEVELS AND FLUCTUATION IN SOIL BACTERIA IN AN IRRIGATED FIELD AND A POND OF SOUTHWEST TEXAS.
R G Taylor H G Applegate
Southwest Natur 13(4):393-400 REF
31 Dec 1968 409.6 SO8
Bacteria, Biological assay, Chemical analysis, DDT, Pesticide residues, Soil bacteria.

7138-69
PESTICIDE RESIDUES; HISTORY, ALTERNATIVES AND ANALYSIS.
J Thomson D C Abbott
Roy Inst Chem Lect Ser (3):33P REF
1966 382 IN7L
Chemical analysis, Chlorinated hydrocarbons, Chromatography, Food analysis, History, Humans, Methodology, Pesticide residues, Spectroscopy, Water, Wildlife.

7139-69
PESTICIDE RESIDUES - USDA'S POSITION.
A Tufano
West Tobacco J 96(3):46,48-49
Mar 1969 286.89 W52
Chemical control (insects), Chlorinated hydrocarbons, DDT, Foreign trade, Light traps, Pesticide residues, Pesticides, Regulation (pesticides), TDE, Tobacco.

7140-69
DISTRIBUTION OF STRONTIUM 90 AND CESIUM 137 IN DAIRY PRODUCTS IN THE PROCESSING OF EWE'S MILK. 2. IN WHITE BRINED CHEESE. (BU)
A Vrigazov V Marinov
Vet Med Nauk 5(6):83-86
1968 41.8 V6468
Cesium-137, Cheese, Chemistry, Dairy products, Food contamination, Food processing, Isotopes, Milk analysis, Sheep, Strontium isotopes. English and Russian summaries.

7141-69
CONTRIBUTION TO THE STUDY OF ANTIBIOTIC SUBSTANCES IN MEATS. (FR)
A Wuilleret
Schweizer Arch Tierbeilk 110(10):523-531 REF
Oct 1968 41.8 SCH9
Antibiotics, Bacteriology, Legislation, Meat, Penicillin, Residues, Sarcina lutea. English, German and Italian summaries.

TOXICOLOGY

7142-69
DDT AND RELATED CHLORINATED HYDROCARBONS: THEIR METABOLISM IN THE CHICK AND THEIR INDUCTION OF MICROSOMAL ENSYMES.
M B Abou-Donia
Diss Abstr Sect B 28(10):3937B
Apr 1968 Z5055.U49D53
Carbamates, Chick embryos, Chlorinated hydrocarbons, Chromatography, DDT, Eggs, Infrared spectra, Insecticides, Metabolism, Microsomes.

7143-69
SYMPTOMS OF INTOXICATIONS BY POISONOUS PESTICIDES. (JPRS 46216) TRANSL. 17061.
S Batayev L Katsenovich
5P
16 Aug 1968
Arsenic compounds, Carbamates, Chlorinated hydrocarbons, Copper compounds, Drug therapy, Gastrointestinal diseases, Mercury compounds, Pesticides, Poisons, Symptomatology. Translation from Meditsinskaya Gazeta, page3, June 25, 1968. issued by CFSTI.

7144-69
DETECTION AND DIFFERENTIATION OF PATHOGENIC CLOSTRIDIA AND THEIR TOXINS. (GE)
J Beer G Al-Khatib
Monatsh Vet 23(18):709-714 REF
15 Sep 1968 41.8 M742
Clostridium, Livestock diseases, Microorganisms, Pyrogallol, Toxicology, Toxins. English and Russian summaries.

7145-69
MANGANESE TOXICITY OF LEGUMES SEEDED IN KENTUCKY STRIP-MINE SPOILS.
W A Berg W G Vogel
Us Forest Serv Res Pap Ne (119):12P
1968 A99.9 F7622UN
Chlorosis, Legumes, Manganese, Soil hydrogen-ion concentration, Strip-mined areas, Toxicology, Vegetables.

7146-69
TABLE OF HUMAN INFECTIONS. IN: DISEASES OF MAN ACQUIRED FROM HIS PETS.
B Bisseru
423-465 PHILADELPHIA, LIPPINCOTT
1967 RC639.B5
Animal vectors, Bacterial diseases (animals), Disease transmission, Epidemiology, Fungus diseases (animals), Helminths, Human diseases, Insect vectors, Methodology, Pets, Tables (data), Virus diseases (animals). Many disease organisms and diseases are listed.

7147-69
BIOLOGICAL METHODS FOR DETERMINING THE TOXICITY OF GRAIN IN CONNECTION WITH ITS INFESTATION WITH TOXIGENIC MICROFUNGI. (RUS)
V P Bogoroditskaya
Vup Pitan 27(3,MAY-JUN):73-76

1968 389.8 V89
Fungus diseases (plants), Fusarium, Grain, Laboratory animals, Pigeons, Sporotrichum, Stored products, Toxicology. English summary.

7148-69
TESTS WITH A COMBINATION PREPARATION FOR THE TREATMENT OF INFECTIOUS DISEASES OF MICROBIAL ORIGIN. (GE)
E Buser
Schweizer Arch Tierheilk 110(11):573-581
Nov 1968 41.8 SCH9
Antibiotics, Drug therapy, Drugs, Infectious diseases, Livestock diseases, Microorganisms. English, french and italian summaries.

7149-69
EFFECTS IN WARMBLOODED ANIMALS OF THIOMETON (2-ETHYLTHIOETHYL O,O-DIMETHYLTHIOPHOSPHATE) INGESTED IN DRINKING WATER. (POL)
I Cabejszek M Rybak S Szulinski
Warsaw Panstw Zakl Hig Rocz 18(3):257-265
1967 449.9 W26
Blood plasma, Ekatin, Insecticides, Organophosphorus compounds, Rats, Water. English and Russian summaries.

7150-69
EFFECT OF DRUGS ON LUMINESCENCE IN LARVAL FIREFLIES.
A D Carlson
J Exp Biol 49(1):195-199
Aug 1968 442.8 B77
Drugs, Epinephrine, Insect biochemistry, Lampyridae, Larvae, Luminescence. Many drugs were tested.

7151-69
STUDIES ON A SERIES OF BRANCHED-CHAIN ANALOGS OF DIETHYL MALATHION AND MALAOXON WITH REGARD TO TOXICITY AND IN VITRO ENZYMATIC REACTIONS. (ABSTRACT).
Y C Chiu A Hassan F E Guthrie W C Dauterman
Excerpta Med Pharm Toxicol 21(12):599
Dec 1968 241.64 EX23
Analogs, Diethyl S-(1,2-di(ethoxycarbonyl)ethyl) phosphorothioate, d, Enzymes, Mice, Organophosphorus compounds, Toxicity. From Toxicology and Applied Pharmacology, 1968, 12/2, (219-228).

7152-69
ENHANCED METABOLISM OF METHYPRYLON, MEPROBAMATE, AND CHLORDIAZEPOXIDE HYDROCHLORIDE AFTER CHRONIC FEEDING OF A LOW DIETARY LEVEL OF DDT TO MALE AND FEMALE RATS.
P R Datta M J Nelson
Toxicol Appl Pharmacol 13(3):346-352 REF
Nov 1968 391.8 T662
Animal metabolism, Chlorinated hydrocarbons, DDT, Feed, Pesticides, Rats, Testing, Tranquilizers. The following drugs were used: methyprylon, meprobamate and chloriazepoxide hydrochloride.

7153-69
A METHOD FOR STUDYING MOTOR REACTIONS OF ASCARIDS. (RUS)
O N Davydov
Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):618-619 REF
1968 448.8 M469
Animal physiology, Ascaridia, Methodology, Motor skills. English summary.

7154-69
MAXIMUM PLACE OF WORK CONCENTRATIONS OF HEALTH-ENDANGERING INDUSTRIAL MATERIALS. (GE)
Deut Forschungsgem (5):22P
06 Mar 1969 391.9 D48
Accident prevention, Air pollution, Allergies, Cancer, Human diseases, Industry, Pesticides, Poisons.

A listing of many chemicals is included indicating their maximum permissable concentrations.

7155-69
HERBICIDE TOXICITY.
J E Dewey
N Y Turfgrass Assoc Bull (83):322
1969 60.19 N42
Accident prevention, Diquat, Dosage, Herbicides, Paraquat, Pesticide application, Spraying.

7156-69
HEMATOLOGICAL EFFECTS OF APHOLATE ON CHANNEL CATFISH (ICTALURUS PUNCTATUS).
C L Dodgen S Sullivan
Soc Exp Biol Med Proc 131(1):124-126 REF
May 1969 442.9 SO1
Apholate, Catfish, Fish, Hematology, Lymphocytes, Platelets, Toxicology.

The hematological effects of oral administration of apholate to channel catfish (Ictalurus punctatus), and the delay in lethality, even with massive doses are discussed. Apholate has a profound effect in producing a lymphocytopenia in channel catfish, but less effect on the thrombocytes.

7157-69
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES.
R E Duggan
Fed Regist 34(110):9139
10 Jun 1969 L1.451
Chickens, Coccidiosis, Drug therapy, Feed, Food additives, Nitro-4-hydroxyphenylarsonic acid, 3-, Penicillin, Regulations.

7158-69
NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVES DIENESTROL DIACETATE, AMPROLIUM, AND PENICILLIN.
R E Duggan
Fed Regist 34(110):9140
10 Jun 1969 L1.451
Amprolium, Chickens, Dienestrol diacetate, Drug therapy, Feed, Food additives, Growth factors, Penicillin, Regulations.

7159-69
NOTES ON PRECAUTIONS TO BE TAKEN IN THE USE OF SPRAY CHEMICALS.
S K Dutta D N Barbora
Tocklai Exp Sta Newslett 13(3):92-93
Sep 1966 68.18 T93
Accident prevention, Animals, Humans, Pesticides, Poisoning, Spraying.

7160-69
SYNERGISTIC TOXICITY AND CARCINOGENICITY OF 'FREONS' AND PIPERONYL BUTOXIDE.
S S Epstein S Joshi J Andrea P Clapp H Falk N Mantel
Nature 214(5087):526-528 REF
29 Apr 1967 472 N21
Biochemistry, Carcinogens, Freon, Insecticide synergists, Laboratory animals, Pesticide residues, Piperonyl butoxide, Toxicology.

7161-69
COMMON POISONOUS PLANTS IN HOME AND GROUNDS.
J R Feucht
Colo State Univ Ext Bull (466A):24P
Mar 1969 275.29 C71E
Accident prevention, Food poisoning, Poisonous plants, Toxicology. Many poisonous plants are listed with their toxic substances

7162-69
PURIFICATION AND PROPERTIES OF IN VITRO--PRODUCED ANTHRAX TOXIN COMPONENTS.
D C Fish B G Mahlandt J P Dobbs R E Lincoln
J Bacteriol 95(3):907-918 REF
Mar 1968 448.3 J82
Antigens, Bacillus anthracis, Biochemistry, Rats, Serological tests, Toxicology, Toxins.

7163-69
TREATMENT OF TOPICAL FUNGUS INFECTIONS WITH DICHLORODIPHENYLTRICHLOROETHANE. PATENT 3,389,049.
H E Frantz
Us Patent Office Offic Gaz 851(3):800
18 Jun 1968 156.65 OF2
DDT, Drug therapy, Fungicides, Human diseases.

7164-69
EFFECT OF AMINOTRIAZOLE ON THYROID FUNCTION IN THE RAT.
M J Fregly
Toxicol Appl Pharmacol 13(3):271-286 REF
Nov 1968 391.8 T662
Amitrole, Dosage, Drug therapy, Rats, Thyroid gland.

7165-69
TROLENE TOXICITY FOR BED BUGS. (RUS)
B A Frolov
Veterinariya (12):102-104
Dec 1968 41.8 V6426
Cimex lectularius, Ronnel, Toxins.

7166-69
HEPATOTOXIC POTENCY OF VARIOUS CHLORINATED HYDROCARBON VAPORS RELATIVE TO THEIR NARCOTIC AND LETHAL POTENCIES IN MICE.
P J Gehring
Toxicol Appl Pharmacol 13(3):287-298
Nov 1968 391.8 T662
Anesthetics, Chlorinated hydrocarbons, Drug therapy, Liver, Liver function tests, Mice, Vapors.

7167-69
TOLERANCE OF SHEEP WITH REGARD TO A NEW PHOSPHORIC ESTER: CHLORFENVINPHOS. (FR)
J Guilhon
Acad Vet France Bull 41(7):279-284
Jul 1968 41.9 R24
Chemical control (insects), Chlorfenvinphos, Dosage, Mortality, Phosphoric acid esters, Sheep, Sheep-dip, Toxicology.

7168-69
TOLERANCE OF SHEEP TO PARENTERALLY ADMINISTERED IQDO-3 HYDROXY NITBO-5 BENZONITRIL. (FR)
J Guilhon
Acad Vet France Bull 41(1):37-40
Jan 1968 41.9 R24
Drug therapy, Nitroxinil, Sheep, Tolerances.

7169-69
EXPERIMENTAL ARSANILIC ACID POISONING IN PIGS.
J D J Harding G Lewis J T Done
Vet Rec 83(22) :560-564 REF
30 Nov 1968 41.8 V641
Animal abnormalities, Arsanilic acid, Bladder, Poisons, Swine, Toxicology.

7170-69
ECONOMIC POISONS CONTAINING CERTAIN PESTICIDE CHEMICALS FOR CERTAIN USES. CANCELLATION OF REGISTRATION.
H W Hays
Fed Regist 34(93):7712-7713
15 May 1969 L1.451
Fungicides, Herbicides, Insecticides, Organophosphorus compounds, Poisons, Thiocarbamates, Tolerances.

7171-69
AVERSION TO STRYCHNINE SULFATE BY NORWAY RATS, ROOF RATS, AND POCKET GOPHERS. (ABSTRACT).
W E Howard S D Palmateer M Nachman
Excerpta Med Pharm Toxicol 21(12):599
Dec 1968 241.64 EX23
Gophers, Pesticides, Rats, Rodenticides, Rodents, Strychnine, Sulfates, Toxicology. From Toxicology and Applied Pharmacology, 1968, 12/2, (229-241).

7172-69
SELECTED CROTALIDAE VENOM PROPERTIES AS A SOURCE OF TAXONOMIC CRITERIA.
B D Johnson
Toxicon 6(1):5-10 REF
Aug 1968 391.8 T66
Animal taxonomy, Biological assay, Snake venom, Toxicology.

7173-69
THE MANAGEMENT OF CASES OF SUSPECTED POISONING.
D W Jolly
Vet Rec 84(7):166-168
15 Feb 1969 41.8 V641
Accident prevention, Autopsies, Lesions, Management, Pets, Poisoning, Symptomatology, Veterinary medicine.

7174-69
AN IN VITRO AND IN VIVO STUDY OF THE EFFECT OF DDT ON THE PHAGOCYTIC ACTIVITY OF RAT WHITE BLOOD CELLS.
L A Kaliser
Toxicol Appl Pharmacol 13(3):353-357
Nov 1968 391.8 T662
Blood cells, Chlorinated hydrocarbons, DDT, Pesticides, Phagocytes, Rats, Staphylococcus.

7175-69
ANTIFUNGAL ACTION OF A PHOSPHATE ESTER PESTICIDE, O-MCHLOROPHENYL O,O-DIMETHYL PHOSPHOROTHIOATE, USED IN NUTRIENT MEDIA FOR FUNGI. (ABSTRACT).
J Kejda
Excerpta Med Pharm Toxicol 21(12):600
Dec 1968 241.64 EX23
Chlorophenyl O,O-dimethyl phosphorothioate, O-m-, Culture media, Esters, Fungi, Fungicides, Mites, Molds, Nutrient solutions (plants), Phosphates, Scopulariopsis brevicaulis, Toxicology, Yeasts. From Mykosen, 1968, 11/5, (395-398).

7176-69
NOVOBIOCIN FOR USE IN CHICKEN AND TURKEY FEED. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.
J K Kirk
Fed Regist 34(103):8303-8304
29 May 1969 L1.451
Chickens, Drug therapy, Feed additives, Novobiocin, Staphylococcic infections, Turkeys.

7177-69
ANTIBIOTICS. USE IN ANIMALS.
J K Kirk
Fed Regist 34(67):6284-6288
09 Apr 1969 L1.451
Animals, Antibiotics, Drug therapy, Labeling, Regulations.

The following antibiotic drugs were listed: tetracycline, chlortetracycline, neomycin, oleandomycin phosphate, nystatin, novobiocin, demethchlortetracycline hydrochloride, chloramphenicol and bacitracin.

7178-69
NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVES.
J K Kirk
Fed Regist 34(110):9140
10 Jun 1969 L1.451
Amprolium, Chickens, Coccidiosis, Dienestrol diacetate, Drug therapy, Ethopabate, Feed, Food additives, Regulations.

7179-69
CENTRAL NEUROTOXIC EFFECTS OF THE VENOMS OF NAJA NAJA AND VIPERA PALESTINAE.
J Krupnick H I Bicher S Gitter
Toxicon 6(1):11-15 REF
Aug 1968 391.8 T66
Animal physiology, Biological assay, Central nervous system, Methodology, Snake venom, Toxicology.

7180-69
PHOSPHOLIPASE A IN THE VENOM OF THE AUSTRALIAN BULLDOG ANT MYRMECIA PYRIFORMIS.
J C Lewis A J Day I S de la Lande
Toxicon 6(2):109-112
Oct 1968 391.8 T66
Biochemistry, Insect metabolism, Lecithins, Myrmecia pyriformis, Phospholipase, Toxicology, Venoms.

7181-69
USE OF ANTIBIOTICS IN ANIMALS.
H L Ley
Fed Regist 34(95):7849-7853
17 May 1969 L1.451
Animal nutrition, Animals, Antibiotics, Drugs, Feed additives, Regulations, Tolerances.

7182-69
VETERINARY PRESCRIPTION DRUGS. DIRECTIONS FOR USE.
H L Ley
Fed Regist 34(92):7655-7656
14 May 1969 L1.451
Drugs, Labeling, Regulations, Veterinary medicine.

7183-69
DIAGNOSIS AND TREATMENT OF POISONING IN CATS AND DOGS.
J C Malone
Vet Rec 84(7):161-166
15 Feb 1969 41.8 V641
Cats, Central nervous system, Copper sulfate, Dogs, Drying, Gastrointestinal system, Hemorrhage, Poisoning, Symptomatology. Many compounds causing poisoning are listed.

7184-69
AMPROLIUM AS A COCCIDIOSTAT FOR ANGORA GOATS.
C H B Marlow
S Afr Vet Med Ass J 39(4):93
Dec 1968 41.8 SO8
A mprolium, Bacterial diseases (animals), Coccidiosis, Coccidiostats, Drug therapy, Goats, Livestock diseases.

7185-69
AFLATOXIN IN THE GROUNDNUT CROP AT HARVEST IN NORTHERN NIGERIA.
D McDonald C Harkness
Samaru Res Bull 89:148-161 1
1968 24 N562S
Aflatoxin, Harvesting, Peanuts, Plant senescence, Tables (data), Toxicity, Weather. Was reprinted fromTropical Science vol. 9, no. 3

7186-69
ANTIGENIC RELATIONSHIPS OF THE VENOM OF ATRACTASPIS MICROLEPIDOTA TO THAT OF OTHER SNAKES.
S A Minton Jr
Toxicon 6(1):59-64
Aug 1968 391.8 T66
Animal taxonomy, Antigens, Precipitin test, Serological tests, Snake venom, Toxicology.

7187-69
EFFECTS OF ECHIS CARINATUS VENOM ON TISSUE AND BLOOD HISTAMINE AND THEIR RELATIONS TO LOCAL TISSUE REACTIONS AND EOSINOPHIL CHANGES.
A H Mohamed A Kamel M H Ayobe
Toxicon 6(1):51-54 REF
Aug 1968 391.8 T66
Animal histology, Animal physiology, Eosinophils, Ethylenediaminetetraacetic acid, Histamine, Snake venom, Toxicology.

7188-69
ZIERIA ARBORESCENS (STINKWOOD) INTOXICATION IN CATTLE.
B L Munday
Australian Vet J 44(11):501-502 REF
Nov 1968 41.8 AU72
Cattle, Poisoning, Poisonous plants, Zieria arborescens.

7189-69
DEGRADATION AND ACTIVATION OF PARATHION ANALOGS BY MICROSOMAL ENZYMES.
T Nakatsugawa N M Tolman P A Dahm
Biochem Pharmacol 17(8):1517-1528 REF
Aug 1968 396.8 B52
Degradation, Enzymes, Insecticides, Laboratory animals, Metabolism, Organophosphorus compounds, Parathion.

7190-69
INTERACTION OF DDT WITH THE COMPONENTS OF LOBSTER NERVE MEMBRANE CONDUCTANCE.
T Narahashi H G Haas
J Gen Physiol 51(2):177-198 REF
Feb 1968 447.8 J822
Bio-electric potential, Chlorinated hydrocarbons, DDT, Lobsters, Nerves, Physiology.

7191-69
EFFECT OF FLOXOSCELES RECLUSA GERTSCH AND MULAIK VENOM AGAINST HEMOCYTES OF ACHETA DOMESTICUS (LINNAEUS).
B R Norment O E Smith
Toxicon 6(2):141-144
Oct 1968 391.8 T66
Acheta domesticus, Hemolysis, Insect physiology, Loxosceles reclusa, Necrosis, Toxicology, Venoms.

7192-69
RESIDUES IN THE BODY FAT OF STEERS FED KELTHANE IN THEIR RATION. (ABSTRACT).
S A Peoples
Fed Amer Soc Exp Biol Fed Proc 27(2):597
Mar 1968 442.9 F31P
Adipose tissue (animals), Animal metabolism, Cattle, Chemurgy, Dicofol, DDT, Feed, Insecticide residues, Toxicology.

7193-69
PESTICIDE SAFETY: PLAIN OL' GOOD JUDGEMENT.
S Rachesky
Pest Contr 37(1):9-10,12
Jan 1969 449.8 EX8
Accident prevention, Pest control, Pesticides, Toxicology.

7194-69
TECHNIQUES FOR THE SYSTEMATIC CONTROL OF ANTHELMINTICS. GASTROINTESTINAL NEMATODES. TESTS WITH A SERIES OF INDOLE-HYDRAZINES. (SP)
A M Rama
Spain Patronato Biol Anim Rev 11(3/4):71-157 REF
1967 49.9 SP16
Anthelmintics, Drug therapy, Gastrointestinal system, Hydrazine, Indole, Livestock diseases, Nematocides, Nematodes, Nematodiasis, Pharmacology.

7195-69
CORTISONE NEPHROPATHY IN THE RABBIT. THE EFFECT OF WARFARIN ADMINISTRATION.
L Rammer
Acta Pathol Microbiol Scand 74(4):514-518 REF
1968 448.3 AC8
Animal diseases, Animal histology, Cortisone, Drug therapy, Electron microscopy, Kidneys, Rabbits, Warfarin.

7196-69
CLINICAL AND LABORATORY NOTES ON PARATHION POISONING IN FOWL, SCREENING AVAILABILITIES IN MEAT AND VARIOUS TESTS. (RUM)
M D Rapeanu E Crainiceanu C Tanase A Georgescu

Rev Zootech 18(10):67-71
Oct 1968 49 P943
Food contamination, Insecticides, Meat inspection, Organophosphorus compounds, Parathion, Poisoning, Poultry, Poultry meat, Symptomatology, Testing.

7197-69
POISONING ON THE FARM. A REPORT OF A CASE OF ORGANOPHOSPHORUS POISONING. (ABSTRACT).
I H Redhead
Excerpta Med Pharm Toxicol 21(12):600
Dec 1968 241.64 EX23
Cholinesterases, Demeton, Disulfoton, Humans, Organophosphorus compounds, Pesticides, Poisoning, Reports, Toxicology. From Lancet, 1968, 1/7544, (686-688).

7198-69
THE EFFECT OF SEX AND AGE ON THE RESPONSE TO WARFARIN IN A NON-INBRED STRAIN OF MICE.
F P Rowe R Redfern
J Hyg 65(1):55-60
Mar 1967 449.8 J82
Aging, Chemical control (pests), Mice, Rodenticides, Sex, Toxicology, Warfarin.

7199-69
VENOM OF THE SCORPION VEJOVIS SPINIGERUS.
F E Russell C B Alender F W Buess
Science 159(3810):90-91 REF
05 Jan 1968 470 SCI2
Insect biochemistry, Mortality, Pharmacology, Scorpionida, Venoms.

7200-69
REDUCTION IN AFLATOXIN CONTAMINATION OF RICE BY MILLING PROCEDURES.
H W Schroeder R A Boller H Hein
Cereal Chem 45(6):574-580 REF
Nov 1968 59.8 C33
Aflatoxin, Aspergillus candidus, Aspergillus flavus, Aspergillus glaucus, Aspergillus parasiticus, Chromatography, Food contamination, Food processing, Fungus diseases (plants), Humidity, Milling, Rice, Storage, Temperature.

7201-69
EFFECT OF CARBARYL ON THE NEUROENDOCRINE SYSTEM OF RATS.
A I Shtenberg M N Rybakova
Food Cosmet Toxicol 6(4):461-467 REF
Dec 1968 391.8 F73
Carbamates, Carbaryl, Pesticides, Rats, Toxins. French and German summaries.

7202-69
TERATOGENIC ACTION OF CARBARYL IN BEAGLE DOGS.
H E Smalley J M Curtis F L Earl
Toxicol Appl Pharmacol 13(3):392-403 REF
Nov 1968 391.8 T662
Animal abnormalities, Carbamates, Carbaryl, Dogs, Insecticides, Symptomatology.

7203-69
ON THE BEHAVIOR OF XANTHURENIC ACID IN RABBITS TREATED WITH MASSIVE DOSES OF PYRIDOXINE. (IT)
D Spisni A P Mariani
Pisa Univ Stud Fac Med Vet Ann 20:210-214
1967 41.9 P67
Drug therapy, Rabbits, Tables (data), Urine, Vitamin b6, Xanthurenic acid. English and French summaries.

7204-69
THE SAFTEY EVALUATION OF PET PRODUCTS.
D E Stevenson
Vet Rec 84(7):168-170
15 Feb 1969 41.8 V641
Accident prevention, Chemicals, Drugs, Legislation, Pets, Therapeutics, Veterinary medicine.

7205-69
FLUOROSIS IN CATTLE AND SHEEP, OBSERVED AROUND INDUSTRIAL PLANTS IN BULGARIA. (BU)
B Tatarov E Lazarov G Dimitrov L Kunchev
Vet Med Nauk 5(7):29-34 REF
1968 41.8 V6468
Cattle, Diagnosis, Fluorosis, Poisoning, Sheep, Teeth. English and Russian summaries.

7206-69
COMBINED ACTION OF DDT WITH CHLOROPHOS AND OF THIOPHOS WITH CHLOROPHOS. (RUS)
A A Tostanovskaya V S Lapchenko V I Svatkov G P Egorova
Vup Pitan 27(3,MAY-JUN):69-73
1968 389.8 V89
Chlorinated hydrocarbons, DDT, Organophosphorus compounds, Parathion, Pesticides, Toxicology, Trichlorfon. English summary.

7207-69
BIOCHEMICAL STUDIES ON THE TERATOGENIC ACTION OF BIDRIN AND OTHER NEUROACTIVE AGENTS IN DEVELOPING HEN EGGS.
D G Upshall J C Roger J E Casida
Biochem Pharmacol 17(8):1529-1542 REF
Aug 1968 396.8 B52
Animal abnormalities, Bidrin, Biochemistry, Eggs, Organophosphorus compounds.

7208-69
AMMONIA POISONING IN CARP. 3. THE OXYGEN CONTENT AS A FACTOR INFLUENCING THE TOXIC LIMIT OF AMMONIA.
R Vamos R Tasnadi
Acta Biol (N s)13(3/4):99-105
1967 442.8 AC86
Ammonia, Copper sulfate, Decay, Fish, Hydrogen-ion concentration, Poisoning, Ponds.

7209-69
HOW FDA KEEPS DRUGS SAFE, EFFECTIVE.
C D Van Houweling
Western Livestock 47(10):45-46
Jan 1969 6 F2278
Drugs, Labeling, Veterinary medicine.

7210-69
TOXICITIES OF TWO INSECTICIDES TO YOUNG COHO SALMON.
F P J Velsen D F Alderdice
Can Fish Res Board J 24(5):1173-1175
May 1967 442.9 C16J
Benzene hexachloride, C-8514/Schering 36268, Insecticide residues, Salmon, Water pollution.

The toxicities of C8514 and BHC were compared in coho salmon. Much higher concentrations of C8514 were required to produce toxic effects than BHC, however, the instability of C8514 could cause harmful residues.

7211-69
COMBATING POISONING DUE TO INSECTICIDES.
E J Vevai
Pesticides 1(5):21-24
Jan 1968 SB951.P43
Accident prevention, Insecticides, Poisoning, Safety education.

7212-69
NICKEL TOXICITY IN YOUNG GROWING MICE.
C W Weber B L Reid
J Anim Sci 28(5):620-623 REF
May 1969 49 J82
Animal nutrition, Animal physiology, Mice, Nickel, Toxicology.

7213-69
INCREASE IN RESISTANCE TO ANTIBIOTICS IN MASTITIS AGENTS. (GE)
U Weigt R Kramer
Deut Tierarztl Wochensch 75(24):617-622 REF
15 Dec 1968 41.8 D482
Antibiotics, Bacterial diseases (animals), Drug therapy, Mastitis, Penicillin, Streptomycin, Tetracycline. English summary.

7214-69
APPLICABILITY OF MILDEW-INFESTED WHEAT TO FEEDING.- SHORT COMMUNICATION. (GE)
E Wiesner
Monatsh Vet 23(18):706-708
15 Sep 1968 41.8 M742
Feed toxicity, Laboratory animals, Mildew, Swine, Tilletia caries, Toxicology, Wheat. English andRussian summaries.

7215-69
TOXICITY OF DDT AND RELATED COMPOUNDS TO CERTAIN LEPIDOPTERAN COTTON INSECTS.
D A Wolfenbarger W L Lowry
J Econ Entomol 62(2):432-435 REF
15 Apr 1969 421 J822
Chlorinated hydrocarbons, Cotton, DDT, Insect pests, Lepidoptera, Spraying.

7216-69
PERMISSIBLE LEVELS OF OCCUPATIONAL EXPOSURE TO AIRBORNE TOXIC SUBSTANCES. SIXTH REPORT OF THE JOINT ILO/WHO COMMITTEE ON OCCUPATIONAL HEALTH.
World Health Organ Tech Rep Ser 6(415):16P
1969 449.9 W892T
Air pollution, Reports, Tolerances, Toxicology.

PLANT PHYSIOLOGY & BIOCHEMISTRY

7217-69
POSTIRRADIATION MODIFICATION OF ULTRAVIOLET-SENSITIVITY OF NORMAL AND NITROFURAZONE-RESISTANT STRAINS OF THE BLUE-GREEN ALGA ANACYSTIS NIDULANS.
Radiat Bot 9(2):105-110 REF
Mar 1969 450 R11
Algae, Irradiation, Microorganisms, Nitrofurazone, Plant biochemistry, Ultraviolet rays. French and German summaries.

7218-69
EFFECTS OF GROWTH RETARDANTS ON VITIS VINIFERA L.
Vitis 6(3):278-287
Aug 1967 95.8 V833
Chloroethyl)trimethylammonium chloride, (2-, Crop yields, Grapes, Plant growth inhibitors, Succinic acid, 2,2-dimethylhydrazide, Tributyl(2,4-dichlorobenzyl)phosphonium chloride.

7219-69
EFFECT OF PARAQUAT ON THE NITROGEN CONTENT AND REGROWTH OF COASTAL BERMUDAGRASS (CYNODON DACTYLON (L.) PERS.).
S C O Agbakoba J R Goodin
Agron J 59(6,NOV-DEC):605-607
Dec 1967 4 AM34P
Cynodon dactylon, Fertilizers, Nitrogen, Paraquat, Plant physiology, Proteins.

7220-69
COTTON UNAFFECTED BY SYSTEMICS AND HERBICIDES.
Anonymous
Miss Farmer 17(4):12D
Apr 1969 6 M6992
Chemical control (weeds), Cotton, Herbicides, Systemic insecticides, Trifluralin.

7221-69
PENETRATION AND DISTRIBUTION OF SOME ANTIBIOTICS IN COTTON TISSUE AND ITS RESISTANCE TO BACTERIAL BLIGHT OF COTTON. (RUS)

S A Askarova
Uz Biol Zhur (3):20-23
1968 442.8 UZ1
Angular leafspot, Antibiotics, Cotton, Plant disease resistance, Plant embryos. English summary

7222-69
EFFECTS OF ORGANIC ARSENICAL HERBICIDES ON COTTON RESPONSE AND CHEMICAL RESIDUES.
R S Baker H F Arle J H Miller J T Holstun
Weed Sci 17(1):37-40
Jan 1969 79.8 W41
Arsenic compounds, Cotton, Disodium methanearsonate, Herbicide residues, Herbicides, Methodology, Organic compounds, Pesticide application, Plant physiology, Seeds, Sodium, Soil analysis.

7223-69
INFLUENCE OF SOME HERBICIDES ON ACCUMULATION OF 32P IN ABOVE-GROUND ORGANS OF OATS. (POL)
R Baranowski J Bors M Ploszynski H Zurawski
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 28:63-77 REF
1967 64.9 IN7
Amino acids, Herbicides, Isotopes, Monuron, Oats, Phosphorus, Photosynthesis, Plant physiology, S-triazine, Simazine, Sugars, Urea. English and Russian summaries.

7224-69
STIMULATORY EFFECTS OF GIBBERELINS ON THE GROWTH OF CHLORELLA PYRENOIDOSA (CHICK).
F E Bendana M Fried
Life Sci 6(10,PT 1):1023-1033 REF
01 May 1967 442.8 L62
Carbon dioxide, Chlorella, Gibberellins, Light, Plant nutrition, Plant physiology, Plant regulators.

7225-69
NITROGEN METABOLISM IN DEVELOPING SEEDS OF VICIA FABA.
D Boulter O J Davis
New Phyto Logist 67(4):935-946 REF
Oct 1968 450 N42
Broadbeans, Globulins, Nitrogen, Plant metabolism, Seed analysis.

7226-69
COMPARATIVE SUSCEPTIBILITY OF ASPERGILLUS TOWARDS VARIOUS FUNGICIDES AND ANTISEPTICS. (FR)
P Boutibonnes
Acad Vet France Bull 41(7):305-308
Jul 1968 41.9 R24
Antiseptics, Aspergillus, Fungicide resistant fungi, Fungicides, Quaternary ammonium compounds, Thiazolyl)-benzimidizole, 2-(4-.

7227-69
THE EFFECT OF SOME HERBICIDES ON WEEDINESS AND YIELD OF POTATOES ON ALLUVIUM SOIL. (SE)
D Bozic M Misovic
Beograd Univ Zb Rad Poljopr Fak 15(456):7P REF
1967 106 B41Z
Alluvial soils, Chemical control (weeds), Crop yields, Herbicides, Potatoes, Prometryne, Simazine. English summary.

7228-69
THE EFFECT OF MAGNESIUM ON THE GROWTH OF LUCERNE, GROWN ON GREY FOREST SOILS. (BU)
I Bucharova G Hinov
Pochvozn Agrokhim 3(1):91-96 REF
1968 S590.P6
Alfalfa, Forest soils, Magnesium, Micronutrients, Plant biochemistry, Plant nutrition. English and Russian summaries.

7229-69
AN INJECTION METHOD FOR TREATING HEMEROCALLIS SPIKES WITH COLCHICINE.
W Q Buck
Calif Hort Soc J 29(2):47-48
Apr 1968 81 C1293
Cell division, Colchicine, Hemerocallis, Horticulture, Inhibitors, Injections, Methodology, Plant biochemistry, Plant breeding.

7230-69
FOLIAR PENETRATION OF PLANT GROWTH SUBSTANCES WITH SPECIAL REFERENCE TO BINDING BY CUTICULAR SURFACES OF PEAR LEAVES.
N J Bukovac Norris
Agrochimica 12(2/3,FEB-APR):217-230 REF
1968 385 AG84
Foliar application, Naphthaleneacetic acid, Pears, Plant biochemistry, Plant regulators. French, German, Spanish, Italian summaries.

7231-69
INFLUENCE OF RETARDANTS ON THE GROWTH AND FLOWERING OF PLANTS.
M Kh Chailakhyan V G Kochankov
Fiziol Rast 14(5, SEP-OCT):652-660 REF
Oct 1967 450 F58
Chloroethyl)trimethylammonium chloride, (2-, Grain, Phosfon, Plant physiology, Plant regulators, Plant reproduction, Shrubs.

7232-69
GROWTH CHARACTERISTICS AND HERBICIDE SUSCEPTIBILITY OF TEXAS PANICUM.
J M Chandler P W Santelmann
Weed Sci 17(1):91-93
Jan 1969 79.8 W41
Annual plants, Chlorinated hydrocarbons, Herbicides, Panicum, Plant physiology, Seed germination, Seed treatment, Susceptibility, Temperature.

7233-69
AUXIN AND WALL EXTENSIBILITY: REVERSIBILITY OF AUXIN-INDUCED WALL-LOOSENING PROCESS.
R Cleland
Science 160(3824):192-194 REF
12 Apr 1968 470 SCI2
Avena, Cell wall, Enzymes, Plant biochemistry, Plant growth inhibitors, Plant regulators, Plant respiration.

7234-69
EFFECT OF DDT, DIELDRIN, HEPTACHLOR ON THE GROWTH OF SELECTED BACTERIA.
J A Collins B E Langlois
Appl Microbiol 16(5):799-800
May 1968 448.3 AP5
Biochemistry, Dieldrin, DDT, Escherichia coli, Heptachlor, Pesticides, Plant physiology, Pseudomonas fluorescens, Soil bacteria, Staphylococcus aureus.

7235-69
EFFECT OF DDT, DIELDRIN AND HEPTACHLOR ON THE GROWTH OF SELECTED BACTERIA. (ABSTRACT).
J A Collins B E Langlois
J Dairy Sci 51(4):619
Apr 1968 44.8 J822
Bacteria, Dieldrin, DDT, Escherichia coli, Heptachlor, Plant physiology, Pseudomonas fluorescens, Skim milk. Abstract of paper presented at the American Dairy Science Association Southern Division annual meeting, Louisville, Feb. 5-7, 1968.

7236-69
INFLUENCE OF ATRAZINE AND VARIED CARBON AND NITROGEN AMENDMENTS ON GROWTH OF SCLEROTIUM ROLFSII AND TRICHODERMA VIRIDE IN SOIL.
E A Curl R Rodriguez-Kabana H H Funderburk
Phytopathology 58(3):323-328 REF
Mar 1968 464.8 P56
Atrazine, Carbon, Fungi, Glucose, Nitrogen, Plant biochemistry, Plant physiology, Potassium phosphate, Sclerotium rolfsii, Sodium nitrate, Soil sterilization, Trichoderma viride.

7237-69
EFFECTS OF INDOLEACETIC ACID ON INTRACELLULAR DISTRIBUTION OF BETA-GLUCANASE ACTIVITIES IN THE PEA EPICOTYL.
E Davies G A MacLachlan
Arch Biochem Biophys 128(3):595-600 REF
Dec 1968 381 AR2 (1)
Actinomycin d, Cells, Cellulase, Indoleacetic acid, Peas, Plant biochemistry, Plant hormones, Plant physiology, Plant translocation.

7238-69
JUICE QUALITY OF GRAPEFRUIT FOLLOWING JUNE VERSUS SEPTEMBER APPLICATIONS OF A 412 PARAFFINIC PETROLEUM OIL WITH DATA ON CONTROL OF CERTAIN PESTS.
H A Dean C E Hoelscher
Rio Grande Val Hort Soc J 22:26-34 REF
1968 81 L95
Chemical control (pests), Chlorinated hydrocarbons, Citrus, Coccus hesperidum, Dicofol, Eutetranychus banksi, Food analysis, Grapefruit, Grapefruit juice, Malathion, Organophosphorus compounds, Paraffin oils, Parlatoria pergandii, Pesticide application, Pesticides, Quality control.

7239-69
EFFECT OF THE MOISTURE CONTENT AND POST-IRRADIATION TEMPERATURE ON THE RADIOSENSITIVITY OF WHEAT AND BARLEY SEEDS. (SE)
M Denic
Zvornik 15(436):25P REF
1967 106 B41Z
Barley, Moisture content (seeds), Plant genetics, Radiation, Seeds, Temperature, Wheat.

7240-69
INFLUENCE OF SOIL AND SITE ON RED PINE (PINUS RESINOSA AIT.) PLANTATIONS IN NEW YORK. II. SOIL TYPE AND PHYSICAL PROPERTIES.
J A DeMent E L Stone
N C (Cornell) Agr Exp Sta Bull (1020):25P MAP REF
Jul 1968 100 N48C (1)
Climate, Pinus resinosa, Site index, Soil science, Tree planting.

7241-69
INTERACTION OF PLANT HORMONES.
R E Drury
Science 164(3879):564-565
02 May 1969 470 SCI2
Gibberellins, Plant biochemistry, Plant hormones, Plant regulators.

7242-69
EFFECT OF THE COMPOSITION OF THE NUTRIENT MEDIUM ON THE AMYLASE LOCALIZATION IN ASPERGILLUS ORYZAE. (RUS)
R V Fenixova A S Tikhomirova A K Kulikova
Priklad Biokhim Mikrobiol Akad Nauk SSSR 3(4,JUL/AUG):394-400
1967 385 P93
Amylases, Aspergillus oryzae, Biosynthesis, Mycelium, Plant biochemistry, Plant nutrition. English summary.

7243-69
ON THE MECHANISM OF CHLORIDE TOXICITY.
L B Fenn F T Bingham J J Oertli
Calif Avocado Soc Yearbook 52:113-116
1968 81 C128
Avocados, Chlorides, Micronutrients, Plant nutrition, Toxicology.

7244-69
FUNGAL POLYSACCHARIDE COMPOSITION AND METHOD FOR MAKING SAME. PATENT 3,436,311.
R B Ferguson J D Westover
Us Patent Office Offic Gaz 861(1):220
01 Apr 1969 156.65 OF2

Absorption, Fungi, Hyphae, Methodology, Plant biochemistry, Polysaccharides, Water.

7245-69
CYTOCHEMICAL EFFECTS OF INDOLEACETIC ACID AND KINETIN ON MEGAGAMETOPHYTIC DEVELOPMENT IN LILIUM.
F F Flint
Phytomorphology 17(1-4,MAR-DEC):462-468 REF
1967 450 P566
Cytology, Gametogenesis, Indoleacetic acid, Kinetin, Lilium candidum, Plant biochemistry, Plant growth inhibitors, Plant regulators.

7246-69
THE METABOLISM OF 3,4-DICHLOROPROPIONANILIDE IN PLANTS. PARTIAL PURIFICATION AND PROPERTIES OF AN ARYL ACYLAMIDASE FROM RICE.
D S Frear G G Still
Phytochemistry 7(6):913-920
Jun 1968 450 P5622
Carbamates, Enzymes, Insecticides, Plant biochemistry, Plant metabolism, Propanil, Rice.

7247-69
ACCUSTOMING OF FUNGI-ANTAGONISTS TO COTTON RHIZOSPHERE AND THEIR EFFECTS ON COTTON PRODUCTIVITY AND DISEASE WITH VERTICILLIUM WILT. (RUS)
M A Gazikhodzhaeva Z E Bekker
Uz Biol Zhur (3):24-28
1968 442.8 UZ1
Cotton, Crop yields, Fungicides, Rhizosphere, Verticillium wilt. E nglish summary.

7248-69
INFLUENCE OF HERBICIDES FROM S-TRIAZINE GROUP ON DYNAMICS OF SOME BIOCHEMICAL PROCESSES OF OATS IN TEST EXPERIMENTS. PART II. RESEARCHES ON ACTION OF PROPAZINE, PROMETRINE, AND PROMETONE. (POL)
J Glabiszewski M Ploszynski G Szumilak H Zurawski
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 28:45-61 REF
1967 64.9 IN7
Biochemistry, Greenhouse culture, Herbicides, Oats, Plant physiology, Prometone, Prometryne, Propazin, Research, S-triazine. English and Russian summaries.

7249-69
TOBACCO STALK AND ROOT DESTRUCTION WITH HERBICIDES AND THEIR EFFECT ON TOBACCO MOSAIC VIRUS.
G V Gooding G B Lucas
Plant Dis Rep 53(3):174-178
Mar 1969 1.9 P69P
Herbicides, Mosaic, Plant diseases, Plant injuries, Plant physiology, Roots, Tobacco, Tobacco mosaic virus, Virus diseases (plants).

7250-69
CHANGES IN RATION OF SUGARS AND AMINO ACIDS IN COTTON-PLANT AND MAIZE UPON GAMMA-IRRADIATION OF SEEDS PRIOR TO SOWING. (RUS)
A P Ibragimov K G Marphina
Biokhimiya 33(3,MAY-JUN):445-450
1968 385 B523
Amino acids, Corn, Cotton, Gamma rays, Irradiation, Plant biochemistry, Seed planting, Sugar. English summary.

7251-69
GIBBERELLIN AND GROWTH IN STONE FRUITS: INDUCTION OF PARTHENOCARPY IN PLUM.
D I Jackson
Australian J Biol Sci 21(6):1103-1106 REF
Dec 1968 442.8 AU72
Fruit, Gibberellic acid, Plant hormones, Plant morphology, Plant physiology, Plums, Seeds.

7252-69
CHEMOSTERILIZATION OF THE TWO-SPOTTED SPIDER MITE. III. EFFECT ON HOST PLANT.
M Jalil P E Morrison
J Econ Entomol 62(2):506-507
15 Apr 1969 421 J822
Apholate, Biological control (insects), Chemical control (insects), Chemosterilants, Fluoroorotic acid, 5-, Fluorouracil, 5-, Phytotoxicity, Scarlet runner beans, Tepa, Tetranychus urticae.

7253-69
OCCURRENCE OF ACCESSORY CHROMOSOMES IN PANICUM MAXIMUM JACQ..
P P Jauhar
Cur Sci 36(9):244-245
05 May 1967 475 SCI23
Chromosomes, Evolution, Panicum maximum, Plant genetics.

7254-69
CONVERSION OF DDT TO DDD BY PATHOGENIC AND SAPROPHYTIC BACTERIA ASSOCIATED WITH PLANTS.
B T Johnson R N Goodman R N Goldberg
157(3788):560-561 REF
04 Aug 1967 470 SCI2
Bacteria, Chromatography, Degradation, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Metabolites, Oxygen, Saprophytes, Tde.

7255-69
ARGININE METABOLISM IN GERMINATING SEEDS OF SOME MEMBERS OF THE LEGUMINOSAE.
V M Jones D Boulter
New Phyto Logist 67(4):925-934 REF
Oct 1968 450 N42
Arginase, Arginine, Broadbeans, Jackbeans, Kidney beans, Leguminosae, Ornithine, Pisum sativum, Plant metabolism, Seed germination.

7256-69
RECOVERY FROM GAMMA RADIATION INJURY IN BARLEY SEEDS.
R K Joshi B K Gaur N K Notani
Radiat Bot 9(2):141-145
Mar 1969 450 R11
Barley, Gamma rays, Humidity, Plant injuries, Radiation, Storage. French and German summaries.

7257-69
ENZYME STUDIES IN NEMATODE INFECTED ROOT-KNOTS OF THE TOMATO PLANT.
S Kannan
Cur Sci 36(21):585-586
05 Nov 1967 475 SCI23
Enzymes, Meloidogyne incognita acrita, Plant metabolism, Plant nematodes, Root knot, Tomatoes.

7258-69
THE EFFECT OF SOME TREATMENT CONDITIONS ON THE RADIOMIMETIC ACTIVITY OF 1-METHYL-3-NITRO-1-NITROSOGUANIDINE IN PLANTS.
B L Kaul
Mutation Res 7(1,JAN-FEB):43-49 REF
1969 443.8 M98
Chromosomes, Deoxyribonucleic acid, Hydrogen-ion concentration, Methyl-3-nitro-1-nitrosoguanidine, 1-, Plant biochemistry, Plant genetics, Temperature.

7259-69
FORMATION OF SYMMETRICAL AZO DERIVATIVES OF MONOCHLOROTOLUIDINES BY PEROXIDATIC CATALYSIS.
C O Knowles A K Sen Gupta T K Hassan
J Econ Entomol 62(2):411-414
15 Apr 1969 421 J822
Azo compounds, Catalase, Horseradish, Peroxidases, Toluidine compounds.

The monochlorotoluidines tested were: 3-chloro-otoluidine, 4-chloro-o-toluidine, 5-chloro-o-toluidine, 6-chloro-o-toluidine, 2-chloro-p-toluidine, 3-chloro-ptoluidine, and o-toluidine.

7260-69
EFFECT OF THE TRIAZINE HERBICIDES SIMAZINE AND ATRAZINE UPON YOUNG PLUM TREES. (BU)
M Krasteva
Horticult Viticult Sci 5(3):47-52 REF
1968 87 G75
Atrazine, Herbicides, Morphology, Oxygen, Plant physiology, Plums, Simazine, Trees, Triazine herbicides. English and Russian summaries.

7261-69
THE INFLUENCE OF INDOLE-3-ACETIC ACID AND VITAMIN B1 ON THE GROWTH AND YIELDS OF SUNFLOWER PLANTS.
T G Kudrev
Bulg Akad Nauk Dokl 21(3):273-275
1968 512 SO2
Crop yields, Indoleacetic acid, Plant regulators, Sunflowers, Thiamine.

7262-69
TRANSLOCATION OF LABELED ASSIMILATES INTO AND OUT OF BEAN LEAVES AS AFFECTED BY 2,4-D AND BENZYL ADENINE.
O A Leonard T W Donaldson D E Bayer
Bot Gaz 129(4):266-279 REF
Dec 1968 450 B652
Beans, Benzyladenine, D, 2,4-, Leaves, Phenoxy acid compounds, Plant physiology, Plant translocation.

7263-69
A NOTE ON CYCOCEL (2-CHLOROETHYL TRIMETHYL AMMONIUM CHLORIDE), A NEWLY RELEASED PLANT GROWTH REGULANT.
D S Lingaraj K M Srinivasan
Cur Sci 36(8):215-216
20 Apr 1967 475 SCI23
Cycocel, Kidney beans, Plant physiology, Seed germination.

7264-69
CONVERSION OF 4-(2,4-DICHLOROPHENOXY) BUTYRIC ACID TO HOMOLOGS BY ALFALFA; MECHANISM OF RESISTANCE TO THIS HERBICIDE.
D L Linscott R D Hagin J E Dawson
J Agr Food Chem 16(5):844-848 REF
Sep 1968 381 J8223
Alfalfa, Biochemistry, Chromatography, Dichlorophenoxy) butyric acid, 4-(2,4-, Herbicide resistant plants, Herbicides, Immunity, Insecticide application, Metabolites, Plant hardiness, Spraying, 2,4-d.

7265-69
EFFECTS OF SELECTED HERBICIDES UPON GROWTH OF SOIL ALGAE.
C Loeppky B G Tweedy
Weed Sci 17(1):110-113 REF
Jan 1969 79.8 W41
Atrazine, Chemical control (weeds), Chlamydomonas reinhardi, Chlorella, Diphenamid, Herbicides, Metobromuron, Plant physiology, Soil algae.

7266-69
INFLUENCE OF MAGNESIUM AND ZINC FERTILIZING ON THE YIELD, QUALITY AS WELL AS HEALTH OF HOPS. (POL)
K Majewski
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 28:99-108
1967 64.9 IN7
Crop yields, Environment, Fertilizers, Hops, Magnesium, Plant physiology, Sulfates, Tortricidae, Zinc. English and Russian summaries.

7267-69
EFFECTS OF FUNGICIDE DRENCHES ON ESTABLISHED POINSETTIA PLANTS.
W J Manning F J Campbell M Glickman
Plant Dis Rep 53(3):225-227
Mar 1969 1.9 P69P
Euphorbia pulcherrima, Fungicides, Fungus diseases (plants), Pythium, Rhizoctonia solani, Roots, Soils, Thielaviopsis basicola.

7268-69
RETARDATION OF THE ELABORATION OF AFLATOXIN IN COTTONSEED BY IMPERMEABILITY OF THE SEEDCOATS.
R Y Mayne G A Harper A O Franz L S Lee L A Goldblatt
Crop Sci 9(2,MAR-APR):147-150 REF
1969 64.8 C883
Aflatoxin, Aspergillus flavus, Cottonseed, Culture media, Fungi, Permeability, Plant physiology, Seed coats.

7269-69
THE EFFECT OF THE DOSE AND METHOD OF USING HERBICIDE A-1802 AND CULTIVATION MEASURES ON WEEDINESS AND YIELD OF CORN. (SE)
M Milic D Bozic
Beograd Univ Zb Rad Poljopr Fak 15(452):12P REF
1967 106 B41Z
Ametryne, Atrazine, Chemical control (weeds), Climate, Corn, Crop yields, Cultural control (weeds), Dosage, Formulations, Herbicides. English summary.

7270-69
REACTION OF SELECTED SORGHUM VARIETIES AND LINES TO DOWNY MILDEW.
F R Miller R A Frederiksen S T A Khan D T Rosenow
Tex Agr Exp Sta Mp- (890):8P
Aug 1968 100 T31M
Biological control (plant diseases), Breeding, Crop varieties, Downy mildew, Fungus diseases (plants), Plant disease resistance, Plant physiology, Sclerospora sorghi, Sorghum.

7271-69
THE EFFECT OF HERBICIDES AND CULTIVATION MEASURES ON THE YIELD OF CORN. (SE)
B Milojic M Misovic
Beograd Univ Zb Rad Poljopr Fak 15(458):11P
1967 106 B41Z
Atrazine, Buturon, Chemical control (weeds), Corn, Crop yields, Cultural control (weeds), Herbicides, Simazine, Tables (data). English summary

7272-69
THE EFFECT OF THE APPLICATION OF HERBICIDES IN THE CONTROL OF WEEDS IN CORN FIELDS. (SE)
B Milojic M Misovic
Beograd Univ Zb Rad Poljopr Fak 15(440):12P
1967 106 B41Z
Afalon, Buturon, Chemical control (weeds), Chenopodium album, Corn, Dosage, Herbicides, Pesticide application, Simazine, Testing. English summary.

7273-69
FORMATION OF ADVENTITIOUS ROOTS IN TOMATO SEEDLINGS BY CCC TREATMENT.
D Mishra G C Pradhan
Cur Sci 37(9):263-264
05 May 1968 475 SC123
Chloroethyl)trimethylammonium chloride, (2-Plant physiology, Roots, Seedlings, Tomatoes.

7274-69
INTERACTION OF CCC AND COUMARIN OR IAA ON SEEDLING GROWTH OF RICE.
D Mishra S C Paul
Cur Sci 36(20):550-551 REF
20 Oct 1967 475 SC123
Chloroethyl)trimethylammonium chloride, (2-, Coumarin, Indoleacetic acid, Plant growth inhibitors, Plant physiology, Rice.

7275-69
TRANSLOCATION O F THE GROWTH RETARDANT N,N'DIMETHYLAMINOSUCCINAMIC ACID-14C (B-995-14C)9.
T C Moore
Bot Gaz 129(4):280-285
Dec 1968 450 B652
Dimethylaminosuccinamic acid, N-, Plant metabolism, Plant regulators, Plant translocation. Ten plant species are discussed.

7276-69
MICROBIAL DEGRADATION OF FIVE SUBSTITUTED UREA HERBICIDES.
D S Murray W L Rieck J Q Lynd
Weed Sci 17(1):52-55
Jan 1969 79.8 W41
Aspergillus, Degradation, Dimethyl-3-(alpha,alpha,alpha-trifluoro-m-tolyl)urea, 1,1-, Diuron, Fenuron, Herbicides, Monuron, Norea, Oats, Phytotoxicity, Urea.

7277-69
EFFECT OF LIGHT AND GIBBERELLIC ACID ON THE GROWTH OF PEA INTERNODES.
M Neskovic
Fiziol Rast 14(6, NOV-DEC):844-847 REF
Dec 1967 450 F58
Gibberellic acid, Light, Peas, Plant physiology, Plant regulators. Russian journal- vol. 14(6):1006-1010, Nov.-dec. 1967

7278-69
ENHANCEMENT BY 2,4-DICHLOROPHENOXYACETIC ACID OF CHROMATIN RNA POLYMERASE IN SOYBEAN HYPOCOTYL TISSUE.
T J O'Brien B C Jarvis J H Cherry J B Hanson
Biochim Biophys Acta 169(1):35-43 REF
20 Nov 1968 381 B522
Chromatin, D, 2,4-, Nucleosides, Plant biochemistry, Polymers, Ribonucleic acid, Soybeans, Synthesis, Tissues.

7279-69
THE EFFECT OF MICROELEMENTS ON THE RATE AND PERCENTAGE OF GERMINATION WITH LUCERNE AND SOYBEAN. (SE)
S Ocokoljic A Mitrovic
Agrohemija (3/4):91-98
1968 385 AG87
Alfalfa, Micronutrients, Plant physiology, Seed germination, Soybeans. English summary.

7280-69
EFFECTS OF DIMETHYL SULFOXIDE ON THE BIOLOGICAL ACTIVITY OF SELECTED MITICIDES AND INSECTICIDES.
L D Olinger S H Kerr
J Econ Entomol 62(2):403-407
15 Apr 1969 421 J822
Absorption, Acaricides, Biological assay, Cotton, Dimethylsulfoxide, Dosage, Epilachna varivestis, Insect mortality, Insecticides, Nutrient solutions (plants), Plant translocation, Squash, Tetranychus tumidus.

Carbophenothion, DDT, dicofol, dieldrin, endosulfan, ethion and malathion were used with in combination with DSMO.

7281-69
FLAVONE COMPOSITION, FLOWERING, AND HYPERSENSITIVITY TO VIRUS IN VEGETABLES. (FR)
M Paynot C Martin
Acad Sci Compt Rend Ser D Sci Nat 266(7, 1ST SEMESTER):680-682
12 Feb 1968 505 P21
Flavones, Flowering, Mosaic, Nicotiana, Plant biochemistry, Temperature, Virus diseases (plants).

7282-69
THE EFFECT OF TRACE ELEMENTS ON THE YIELD AND QUALITY OF CAMOMILE FLOWERS AND PEPPERMINT LEAVES. (RU)
R Peskova
Latv P Sr Zinat Akad Vestis (7):111-119 REF
1968 511 R442
Azulene, Camomile, Choline, Crop yields, Fertilizers, Micronutrients, Plant biochemistry, Plant nutrition. English summary.

7283-69
EFFECT OF BORDEAUX MIXTURE SPRAY ON FRUIT SET IN COFFEE (COFFEA ARABICA L.).
B S Put taswamy Gowda J C Joshi
Mysore J Agr Sci 2(3):247-249
1968 S19.M9
Bordeaux mixture, Coffee, Fruit setting, Fungicides, Plant physiology, Spraying.

7284-69
TRANSLOCATION AND METABOLISM OF C14-LABELED TETRAMINE BY DOUGLAS-FIR, ORCHARD GRASS, AND BLACKBERRY.
M A Radwan
Forest Sci 13(3):265-273
Sep 1967 99.8 F7632
Dactylis, Plant biochemistry, Plant metabolism, Plant translocation, Pseudotsuga menziesii, Radioactive tracers, Rubus.

7285-69
STUDIES ON THE LIGHT SENSITIVITY OF PLANTAGO MAJOR L. SEEDS. I. THE EFFECT OF GIBBERELLIN, KINETIN AND POTASSIUM NITRATE.
M R Rezk
Acta Biol (N s)13(3/4):31-37 REF
1967 442.8 AC86
Gibberellins, Kinetin, Light, Plant growth inhibitors, Plant physiology, Plant regulators, Plantago major, Potassium nitrate, Seed germination.

7286-69
ETHYLENE PREVENTS NORMAL PHOTOPERIODIC RESPONSE IN CHRYSANTHEMUM MORIFOLIUM.
M N Rogers D E Hartley B O S Tjia
Florist Rev 143(3716):19-21,87-90
13 Feb 1969 80 W41
Air pollution, Chromatography, Chrysanthemum morifolium, Control equipment, Ethylene, Greenhouse culture, Photoperiodism, Plant physiology, Symptomatology, Temperature.

7287-69
STUDIES ON THE MOLYBDENUM AVAILABILITY.PART III. AN ATTEMPT TO ESTIMATE THE AVAILABLE MOLYBDENUM CONTENT IN SOILS IN CONNECTION WITH THE PLANT TEST. (POL)
M Ruszkowska
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 33:53-76 REF
1968 64.9 IN7
Deficiency diseases, Fertilizers, Molybdenum, Plant nutrition. English and Russian summary.

7288-69
STUDIES ON THE MOLYBDENUM AVAILABILITY. PART I. MOLYBDENUM UPTAKE BY PLANTS UNDER DIFFERENT NITROGEN AND PHOSPHORUS NUTRITION. (POL)
M Ruszkowska
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 33:5-29 REF
1968 64.9 IN7
Micronutrients, Molybdenum, Nitrogen, Phosphorus, Plant biochemistry, Plant nutrition. English and Russian summaries.

7289-69
PENETRATION OF CHLORINATED PHENOXYACETIC AND BENZOIC ACIDS INTO LEAVES.
J A Sargent
Agrochimica 12(2/3,FEB-APR):166-172

1968 385 AG84
Benzoic acid, Kidney beans, Phenoxy acid compounds, Plant biochemistry, Plant translocation, Radioactive substances, T, 2,4,5-, Trichlorophenoxyacetic acid, 2,4,6-. French, German, Spanish, Italian summaries.

7290-69
EFFECTS OF HERBICIDES ON RESPIRATION OF RED PINE SEEDLINGS. II. MONURON, DIURON, DCPA, DALAPON, CDEC, CDAA, EPTC, AND NPA.
S Sasaki T T Kozlowski
Bot Gaz 129(4):286-293 REF
Dec 1968 450 B652
Herbicides, Pinus resinosa, Plant physiology, Plant respiration, Seedlings. The following herbicides are discussed: Monuron, diuron, DCPA, dalapon, CDEC, CDAA, EPTC, and NPA.

7291-69
THE DIFFERENTIAL INTERACTION OF AFLATOXINS B1,G1 AND G2 WITH DEOXYRIBONUCLEIC ACIDS FROM DIFFERENT SOURCES.
J C Schabort
S Afr Chem Inst J 22(1):80-87 REF
Jan 1969 385 SO84
Aspergillus flavus, Deoxyribonucleic acid, Metabolites, Plant biochemistry, Spectroscopy. Afrikaans summary.

7292-69
EFFECT OF TRIFLURALIN ON GROWTH, MORPHOLOGY, AND NUCLEIC ACID SYNTHESIS.
D P Schultz H H Funderburk N S Negi
Plant Physiol 43(2):265-273
Feb 1968 450 P692
Corn, Nucleic acids, Plant growth inhibitors, Plant histology, Plant morphology, Synthesis, Trifluralin.

7293-69
SOME FACTORS AFFECTING GERMINATION AND SEEDLING GROWTH OF SCOTCH THISTLE (ONOPORDUM ACANTHIUM L.).
C J Scifres M K McCarty
Nebr Agr Exp Sta Bull (228):29P REF
Feb 1969 100 N27 (1)
Onopordum acanthium, Plant ecology, Plant physiology, Plant regulators, Seed germination, Weed control.

7294-69
INFLUENCE OF SIMAZINE ON CHLOROPLAST METABOLISM.
R P Singh S H West
Cur Sci 36(19):510-511
05 Oct 1967 475 SC123
Chlorophylls, Chloroplasts, Herbicides, Oats, Plant metabolism, Proteins, Simazine.

7295-69
INCREASES IN THE LEVELS OF CYTOKININS IN BLEEDING SAP OF VITIS VINIFERA L. AFTER CCC TREATMENT.
K G M Skene
Science 159(3822):1477-1478
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O Straume O Romanovskaya V Egert
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V S Stroev
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D L Sutton D A Durham S W Bingham C L Foy
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7306-69
THE INFLUENCE OF INCREASING DOSES OF SIMAZINE UPON THE RATE OF ROOT AND GREEN PARTS GROWTH OF WINTER WHEAT. (POL)
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THE EFFECT OF POTASSIUM ON THE METABOLISM OF SUGAR BEET PLANTS INFECTED WITH SUGAR BEET YELLOWS VIRUS. PART II. NET ASSIMILATION RATE AND SUGAR PRODUCTION. (POL)
M Warcholowa
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A F Wilhelm
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J A Zwar R Brown
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B Zwatz
Pflanzenarzt 20(6):65-68
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M B Abou-Donia D B Menzel
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Nov 1968 381 AS7
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Chemical reactions, Gibberellic acid, Gibberellins, Plant regulators, Synthesis.

7328-69
METHOD FOR CONTROLLING THE GROWTH OF POTATO PLANT ORGANISMS. PATENT 3,443,928.
G S Batchelor
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G H Birum C N Mathews
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Fungicides, Organophosphorus compounds, Patents.

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A L Black
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COMPLEX ADDITION PRODUCTS OF PHOSPHORUS PENTAFLUORIDE AND SUBSTITUTED NITRILES. PATENT 3,438,983.
M E Brokke G E Lukes J Hazzard D R Arncklev
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Herbicides, Nitriles, Patents, Pentafluoride, Phosphorus compounds.

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R F Brookes D H Godson E L Leafe
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L E Carosino
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Ammonium compounds, Fungicides, Halides, Mildew, Patents.

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C A Carroll J J Vaka
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A J Chechak C D Robeson
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C J Conner
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B E Cross J C Stewart
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H E Freund F Arndt
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P Goldman
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J R Hanson A F White
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J B Honeycutt
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Alkyllead halide, Fungicides, Patents.

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A A Hyatt
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Fungicides, Patents, Pesticides, Plant regulators, Toxins.

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S E Katz C A Fassbender
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Acaricides, Chloro-o-tolyl)-N,N-dimethylformamidine, N'-(4-, Chromatography, Decomposition, Light, Silica gels, Spectrochemistry.

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V Lamberti H Lemaire
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Chlorinated hydrocarbons, Dihydro-1,4-dithiins, 2,3-, Patents.

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A F Marks A Wolfgang
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Deodorizing, Dithiophosphates, Methodology, Organophosphorus compounds, Patents, Pesticides, Thiols.

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Alkyls, Carbamates, Chemical control (weeds), Chemistry, Herbicides, Nitrogen, Patents.

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R L Mayhew E P Williams
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Amides, Chemistry, Hydroxycarboxylic acids, Insecticides, Nitrogen.

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By-products, Chlorinated hydrocarbons, Chromatography, Degradation, DDT, Heptachlor, Insecticide residues, Lakes, Lindane, Methodology, Reservoirs, Sediments, Water pollution.

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Algae, Algicides, Patents.

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A A Patchett R L Clark E F Rogers
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Bactericides, Carboxyl group, Patents, Quinoline.

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E V Petushkova I M Bocharnikova
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E K Regel
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C otton, Defoliants, Esters, Patents, Phenoxyacetic acid compounds.

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K Rufenacht
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L H Sarett C S Rooney L H Peterson
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Bactericides, Benzoyloxymethyl benzamides, N-, Patents.

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ASYMMETRICAL PARA-NITROPHENYL PHOSPHATES. PATENT 3,444,274.
G Schrader
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Nitrophenol, p-, Patents, Pesticides, Phosphates.

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SUBJECT INDEX

ABATE
Studies on a biological and a chemical method of controlling the dark rice field mosquito in Louisiana. (abstracts). 6168

ABDOMEN
On the morphology of the last abdominal segment of female Bombyliidae (Diptera). 5483
The fine structure of the ventral intersegmental abdominal muscles of the insect Rhodnius prolixus during the molting cycle. Ii Muscle structure at molting. 5648
The fine structure of the ventral intersegmental abdominal muscles of the insect Rhodnius prolixus during the molting cycle. II. Muscle changes in preparation for molting. 5649
Promazine hydrochloride in endotoxin shock in a horse (a case report). 6525

ABIES
Abnormal ray tissue in three true firs infested by the balsam woolly aphid. 6226
Do small mammals and birds affect reproduction of spruce and fir . 6406

ABIES AMABILIS
Potebniamyces (Phacidiella) disease of the true firs in British Columbia. 5936

ABIES BALSAMEA
Factors affecting infection of balsam fir (Abies balsamea) by Stereum sanguinolentum in Quebec. 5924

ABIES FRASERI
Estimated Fraser fir mortality and balsam woolly aphid infestation trend using aerial color photography. 6144

ABIES GRANDIS
Potebniamyces (Phacidiella) disease of the true firs in British Columbia. 5936
Spruce budworm damage symptoms related to radial growth of grand fir, Douglas-fir, and Engelmann spruce. 6275

ABIES LASIOCARPA
Potebniamyces (Phacidiella) disease of the true firs in British Columbia. 5936

ABNORMALITIES
Male genital disc defect in Drosophila melanogaster. 5683
Salmonella penetration of the outer structures of white- and speckled-shell turkey eggs. 6868
Toxicity of pesticides to man: Risks from present levels. 7107

ABORTION
Yeasts and yeast-like fungi in the genital organs of cows and heifers. V. Genital candidiasis and abortions caused by yeasts belonging to the genera Candida, Trichosporon and Saccharomyces. 6608
Experimental studies on bovine mycotic placentitis. 6627
Abortion in cattle associated with the feeding of poultry litter. 6679
Abortion in sheep and cattle associated with Bacillus spp. 6708
Vaccination of cattle against epizootic bovine abortion. 6715
Cause and prevention of epizootic bovine abortion. 6716
The isolation of Leptospira sejroe from the kidneys of aborting cattle. 6724
Beware of brucellosis. 6761

ABSORPTION
Insecticide resistance in the house fly: Decreased rate of absorption Is the mechanism of action of a gene that acts as an intensifier of resistance. 5532
Preliminary investigations on the phenomenon of photoluminescense of seeds of soybean. 5816
Absorption of boron by bartlett pears. 5898
The response to phosphorus of some ecologically distinct plant species. I. Growth rates and phosphorus absorption. 6058
On the permanent bedding of chicken. Some technical and hygienic-sanitary questions. 6414
Absorption and distribution of ethylenediaminetetraacetic acid (EDTA) ingested by the chick. 6432
Accumulation of DDT and dieldrin by microorganisms. 7095
DDT residues absorbed from organic detritus by fiddler crabs. 7125
DDT residues absorbed from organic detritus by fiddler crabs. 7126
Fungal polysaccharide composition and method for making same. Patent 3,436,311. 7244
Effects of dimethyl sulfoxide on the biological activity of selected miticides and insecticides. 7280
Influence of simazine on apparent photosynthesis of aquatic plants and herbicide residue removal from water. 7305

ABSORPTION (BIOLOGICAL)
Herbicide selectivity. 6317
The role of light, concentration, and species in foliar uptake of herbicides in woody plants. 6331

ABSTRACTING
More abstracts of papers presented at the 1967 Annual Wildlife Disease Conference Urbana, Illinois June 15-16, 1967. 6533

ACACIA
Studies on the control of the anthracnose of Acacia dealbata caused by Glomerella cingulata Stonem. 5954

ACANTHOCEPHALA
Measurements of the osmotic pressure in the habitat of Polymorphus minutus (Acanthocephala) in the intestine of domestic ducks. 6930
Thorny-headed worm infection in North American prehistoric man. 6974

ACANTHOLYDA ERYTHROCEPHALA
Concerning a mass population increase of the false pine webworm, Acantholyda erythrocephala Chr. in Steinfeld, Lower austria, in the years 1964-1967. Preliminary communication. 6196

ACANTHOMYOPS CLAVIGER
The alarm-defence system of the ant Acanthomyops claviger. 5553

ACANTHOMYOPS INTERJECTUS
Trail laying in the subterranean ant, Acanthomyops interjectus. 5352

ACANTHOSCELIDES OBTECTUS
The influence of the duration of copulation on the fertility of the females of Acanthoscelides obtectus Say (Insecta Coleoptera). 5376

ACARICIDES
Home garden insect control. 5472
A new chemical for control of scarlet and pink mite. 5484
Simultaneously effective anti-fungal and insecticidal or acaricidal pesticides. Patent 3,450,818. 5527
Phytophagous mites; species of widest distribution in Argentina. 5540
Insecticidal and acaricidal effect of some binary mixtures. 5627
Efficacy of use of some phospho-organic compounds as acaricides in foci of tick-borne encephalitis. 5772
Notes on pesticides and weedicides. 5823
Protection of vineyards from plant diseases. 6087
Control of insects on alfalfa and red clover. 6185
Chemical control of codling moth with DDT and sevin, the resistance problem of codling moth to DDT and additional observations on the effect of fruit thinning of sevin. 6195
Can we conquer the 'mighty' mites . 6293
Evaluation of acaricidal dips for control of Psoroptes ovis on sheep. 6900
Effects of dimethyl sulfoxide on the biological activity of selected miticides and insecticides. 7280
Photodecomposition of the acaricide N'-(4-chloro-o-tolyl)-N,N-dimethylformamidine. 7354
Pest control's 1969 directory of pesticides. 7403

ACARIDAE
An acarid (Erythraeidae) parasite of Jassids (Homoptera, Auchenorrhyncha). 5249

ACARINA
New Speleognathinae from Central and South American mammals (Acarina, Trombidiformes). 5011
The genus Protogamasellus Karg (Acari) with descriptions of new species and subspecies from the Ethiopian Region. 5040
Five tydeid mites from Israel (Acarina: Prostigmata). 5041
Faunistic studies on some acari of the families Myobiidae and Cheyletidae, parasitizing on small mammals in Bulgaria. 5084
Some new analytic and graphic approaches to numerical taxonomy, with an example from the Dermanyssidae (Acari). 5106
A redescription of the type specimen of Crotonia (0Acronothrus) obtecta (O. Pickard-Cambridge, 1875), (Acari, Cryptostigmata) and a discussion of its taxonomic relationships. 5130
A redescription of Pteronyssoides tyrrelli (Canestrini, 1899). A feather mite from the tree swallow (Acari-Acariformes). 5241

Studies on Opilioacarida (Arachnida). II. Redescription of Paralarus hexophthalmus (Redikorzev). 5350

A record of the mite, Speleognathus australis, in bovines in South Africa. 6888

New possibilities of pest control in mills and flour storages by DDVP chemicals. 7035

ACCIDENT PREVENTION

Ants in the home and garden; how to control them. 5184

Controlling the Japanese beetle. 5187

Pesticide safety in your home. 5284

Control home vegetable garden insects. 5358

Grasshopper control, 1969. 5411

Insect and mite control on ornamentals. 5471

Home garden insect control. 5472

Lawn insects; how to control them. 5658

Plant protection is also health protection. 5849

Dogwood diseases. 5944

Home fruit spray guide. 5959

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1969 tree fruit spray guide. 6183

A guide to the use of pesticides for the control of agricultural pests. 6240

Control cotton insects. 6278

1968 cranberry weed control chart. 6330

Weed control in field crops, 1969. 6366

Editorial: The problem of herbicides. 6376

1967 guide to chemical weed control. 6385

Cattle lice; how to control them. 6889

Insect and mite pests of livestock, poultry, and farm buildings. 6899

DDT: Criticism, curbs are on the upswing. 7077

Maximum place of work concentrations of health-endangering industrial materials. 7154

Herbicide toxicity. 7155

Notes on precautions to be taken in the use of spray chemicals. 7159

Common poisonous plants in home and grounds. 7161

The management of cases of suspected poisoning. 7173

Pesticide safety: Plain ol' good judgement. 7193

The saftey evaluation of pet products. 7204

Combating poisoning due to insecticides. 7211

The microfoil boom. 7394

Commonsense precautions with agricultural chemicals. 7417

ACER RUBRUM

The Columbian timber beetle, Corthylus columbianus. VII. The effect of climatic integrants on historic density fluctuations. 5464

ACER SACCHARINUM

The Columbian timber beetle, Corthylus columbianus. VII. The effect of climatic integrants on historic density fluctuations. 5464

ACETIC ACID

Volatile fatty acids excreted by Fasciola hepatica, L.. 7006

ACETONE

Contribution to the physiology of the guest-host-relations (myrmecophily) in ants. I. The relation between the myrmecophilic Atemeles- and Lomechusa-larvae and Formica. 5369

Substances that attract caged honeybee colonies to consume pollen supplements and substitutes. 5565

ACETONITRILE

Metabolism of DDT by rumen microorganisms in vitro. (Abstract). 7345

ACHAEA JANATA

Countering the castor semi-looper. 6236

ACHETA DOMESTICUS

Effect of floxosceles reclusa Gertsch and Mulaik venom against hemocytes of Acheta domesticus (Linnaeus). 7191

ACLERIS VARIANA

The amount of foliage consumed or destroyed by laboratory-reared larvae of the black-headed budworm, Acleris variana. 6272

ACORNS

Experiments to control acorn weevils with systemic insecticides. dorsey, c k. 6142

ACRIDIDAE

Division of Entomology Annual Report, 1966-67. 4968

Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. XLIII. Orthoptera Eusmastacidae. 5017

Orthoptera-Caelifera from northern Kenya and Jubaland. IV. Acrididae, s. str.: Calopteninae, Euryphyminae, Eyprepocnemidinae, Catantopinae, Cyrtacanthacridinae. 5080

The action of iontophoretically applied glutamate on insect muscle fibres. 5222

Bracken and locust ecdysones: Their effect on molting in the desert locust. 5251

Medium and long-term changes in the behavior of visual neurones in the tritocerebrum of locusts. 5371

Hormonal control of the reproductive diapause in the grasshopper, Oedipoda miniata. 5522

Sensitivity duration in the photoperiod for the inhibition of maturation of a group of Locusta migratoria migratoria L. (Orthoptera), group Kazalinsk. 5665

Cuticular water pump in insects. 5681

Insect pests of barley and their control. 6231

ACRIDOIDEA

New combinations affecting the genus Aiolopus (Orthoptera: Acridoidea) and a description of a related new genus and species from Australia. 5071

Further records of some little-known Pyrgomorphidae and Trigonopterygidae from Fiji, New Guinea and Borneo (Orthoptera: Acridoidea). 5081

ACROSTERNUM HILARE

Isolation of the organism causing yeast-spot disease from the salivary system of the green stink bug. 6176

ACTINOBACILLUS SEMINIS

Clinical and pathological studies of Border Leicester rams naturally infected with Actinobacillus seminis. 6487

ACTINOMYCETES

Use of a scanning electron microscope for the examination of Actinomycetes. 6869

ACTINOMYCIN D

Effects of kinctin and actinomycin D on the susceptibility of Nicotiana glutinosa L. to infection by tobacco mosaic virus. 6022

Effects of indoleacetic acid on intracellular distribution of Beta-glucanase activities in the pea epicotyl. 7237

ACTINOMYCOSIS

Actinomycosis of mandible gingivae. 6494

Aerobic agents of animal actinomycosis. 6547

The histopathology of actinomycosis. 6705

ACTOMYOSINS

The calcium sensitivity of ATPase activity of myofibrils and actomyosins from insect flight and leg muscles. 5456

ACUCEPHALUS NERVOSUS

Transmission of clover phyllody by a new leafhopper vector, Euscelidius variegatus. 6179

ACYRTHOSIPHON PISUM

Entomophthorous fungi as a natural factor in decreasing pea aphid populations. 5299

ADELGES COOLEYI

Control of some pests of evergreens. 6162

ADELGES PICEAE

Estimated Fraser fir mortality and balsam woolly aphid infestation trend using aerial color photography. 6144

Abnormal ray tissue in three true firs infested by the balsam woolly aphid. 6226

ADENOCARCINOMA

Metastatic uterine adenocarcinoma in the cow. (A recognizable clinical entity). 6694

ADENOMA

Treatment of anal tumors with Honvan-Asta. 6559

Suspected primary hyperparathyroidism in the dog. 6601

ADENOSINE TRIPHOSPHATASE

A sodium and potassium stimulated adenosine triphosphatase in the cockroach nerve cord. 5337

The calcium sensitivity of ATPase activity of myofibrils and actomyosins from insect flight and leg muscles. 5456

Activation of the myofibrillar ATPASE activity by extension of glycerolextracted insect fibrillar muscle. 5571

The coupling of poweroutput and myofibrillar ATPASE activity in glycerol-extracted insect fibrillar muscle at varying amplitude of ATP-DRIVEN oscillation. 5572

An anion-stimulated adenosine triphosphatase from the potassium-transporting midgut of the larva of Hyalophora cecropia. 5651

The nature of activating action of dinitrophenol on ATPASE activity of myosin. 7365

ADENOSINE TRIPHOSPHATES
The decarboxylation of luciferin in firefly bioluminescence. 5531

Inhibition of DNA-DEPENDENT RNA polymerase by the exotoxin of Bacillus thuringiensis var. gelechiae. 5597

Salicylanilides: A new group of active uncouplers of oxidative phosphorylation. 5679

ADENOSINETRIPHOSPHATASE
The stimulation of 2,4-dinitrophenol-activated ATPASE by anions. 4976

An anion-stimulated adenosine triphosphatase from the potassium-transporting midgut of the larva of Hyalophora cecropia. 5651

Adenosinetriphosphatase activity in muscle tissue mitochondria of swine ascarid (Ascaris suum, Goeze, 1758). 6990

ADENOVIRUSES
The cellular site of virus replication in the intestine of chicks infected with an avian adenovirus. 6522

Reproduction of type 12 adenovirus in HeLa culture cells. 6659

Properties of the in vitro soluble RNA methylase activity of hamster tumors induced by adenovirus-12. 6713

A comparative study of morphologic changes within Hep-2 culture cells inoculated with various adenovirus serotypes. 6744

ADIPOSE TISSUE (ANIMALS)
The effect of a pretreatment with phenobarbital on the metabolism of DDT in dairy cows and young bulls. 7086

Organochlorine pesticides in seals. 7109

Residues in the body fat of steers fed kelthane in their ration. (Abstract). 7192

ADONIS VERNALIS
Preliminary studies on mycorrhiza in Adonis vernalis. 5991

ADRENAL CORTEX HORMONES
The role of the hypophyseal-suprarenal system in the etiopathogenesis of primary ketosis in cattle. 6767

ADRENAL GLANDS
Effect of some pesticides on the adrenal glands in the rat. 6424

Histochemical premises to the study of the adrenal medullary tumors of cattle. 6703

The role of the hypophyseal-suprarenal system in the etiopathogenesis of primary ketosis in cattle. 6767

Adrenal neoplasms in slaughtered cattle. 6877

ADSORPTION
Arbovirus-erythrocyte interaction. Adsorption, elution and neutralization of virus. 6589

The influence of some electrolytes on the adsorption and release of symmetrical triazines on some organic colloids. 7104

Soil degradation of diazinon, a phosphorothioate insecticide. 7118

ADSUKI BEANS
Studies on interspecies competition between the azuki bean weevil and the southern cowpea weevil. III. Some characteristics of strains of two species. 5318

ADULTS
A key to all stages of the British species of the family Neobisiidae (Pseudoscorpiones: Diplosphyronida). 5037

AEDES
Distributional and biological notes on the tree hole mosquitoes of the western United States. 5112

Control of pasture Aedes mosquitoes by dripping larvicides into flowing water, with notes on residues in a pasture habitat. 5486

Trial of carbophos on larvae of Aedes and Culex mosquitoes. 5504

Morphological divergences and sterility barriers in the Aedes mariae complex (Diptera, Culicidae). 5699

Water management units and shore line modifications used in mosquito control investigations. 5768

AEDES AEGYPTI
Structure and development of vesicles in larval tissue culture of Aedes aegypti (L.). 5227

Mosquitoes feeding on insect larvae. 5359

Gas-liquid chromatography analysis of DDT metabolism in Aedes aegypti. 5370

Laboratory tests of larvicides for mosquito control in potable waters. (abstract). 5389

Spermatocysts in Aedes aegypti (Linnaeus). 5397

Host preferences and discrimination by the mosquitoes Aedes aegypti and Culex tarsalis (Diptera: Culicidae). 5461

Mosquito control agents derived from petroleum hydrocarbons. III. The effect of FLIT MLO on first and second larval instars. 5470

Cell cultures derived from larvae of Aedes albopictus (Skuse) and Aedes aegypti (L.). 5609

Seminal loss in repeatedly mated female Aedes aegypti. 5621

Sexual dimorphism of larvae and pupae of Aedes aegypti (Linn.). 5659

Studies on the mechanism of DDT-RESISTANCE in Culex pipiens fatigans. 5713

Synthetic routes to 1,1,1-trichloro-2,2-Bis(p-chlorophenyl) ethane-2-d, deutero-DDT. 5774

AEDES ALBOPICTUS
Cell cultures derived from larvae of Aedes albopictus (Skuse) and Aedes aegypti (L.). 5609

AEDES NIGROMACULIS
Pasture mosquito resistance in California. 5590

AEDES SOLLICITANS
Encephalitis field surveillance in Orleans Parish. 6903

Salt marsh mosquito control in relation to beef cattle production: A preliminary report. 6904

AEDES VEXANS
Growth of cells derived from Culiseta inornata and Aedes vexans in tissue culture. A preliminary note. 5638

Encephalitis field surveillance in Orleans Parish. 6903

AEGERIA APIFORMIS
Biological observations on Aegeria apiformis Cl. 5642

AERIAL PHOTOGRAPHY
An aerial view of take-all. 5863

Estimated Fraser fir mortality and balsam woolly aphid infestation trend using aerial color photography. 6144

AERIAL SPRAYING
Applying insecticides to cotton crops. 4971

Bombs away on bugs. 5194

Cotton pests control by ultra low volume spraying from the air. 5228

A low volume spray system for twin-engine aircraft used in mosquito control. 5246

Control of grasshoppers (Phaulacridium vittatum) by ultra-low volume aerial application of technical maldison. 5253

Effect of aerial spraying for the control of green rice leafhopper in autumn. Transl. 17058. 5425

Public health pesticides. 5764

Ultra low volume spraying of cotton. 5822

Control of vegetable insects and diseases. 6017

Spraying pastures. 6348

Influence of certain insecticides applied for the control of Ostrinia nubilalis Hbn. on the weeds of treated surfaces. 6372

Water pollution and agriculture. 7075

Pest control with helicopter and biplane. 7391

The microfoil boom. 7394

Production and sales of pesticides show increase. 7409

AEROBACTER AEROGENES
An enzooty of strangles caused by virus A2 equi Miami 63 in the region of Lyon. 6656

AEROBIC BACTERIA
Aerobic agents of animal actinomycosis. 6547

AEROSOLS
Immobilizing insects by sudden reduction of body temperature. Patent 3,446,892. 7377

AESHNA GRANDIS
Aeschna grandis L., a new additional host of prosthogonimus cuneatus (Rud., 1809) (Trematoda. Prosthogonimidae). 6962

AFALON
The effect of the application of herbicides in the control of weeds in corn fields. 7272

AFLATOXICOSIS
Spontaneous and experimental aflatoxicosis of ducks. 6626

Relationship of aflatoxin to epizootics of toxic hepatitis among animals in southern United States. 6870

AFLATOXIN
Effects of aflatoxin B1 on polysomal profiles and RNA synthesis in rat liver. 6793
Note on a microbiological assay for aflatoxin B1: A rapid confirmatory test by effects on growth of Bacillus megaterium. 7052
Rapid confirmatory test for aflatoxin B, using Bacillus megaterium. 7053
Agricultural pesticides and their detractors. 7080
Aflatoxin in the groundnut crop at harvest in Northern Nigeria. 7185
Reduction in aflatoxin contamination of rice by milling procedures. 7200
Retardation of the elaboration of aflatoxin in cottonseed by impermeability of the seedcoats. 7268

AFRICAN HORSE SICKNESS VIRUS
Effects of freezing on African horse-sickness virus. 6754

AFRICAN OILPALM
Stem rot of oil palms in the Federal Experiment Station, Serdang. 6026
Tropical nematology. 6305

AGAR
Conversion of DDT to DDD in soil and the effect of these compounds on soil microorganisms. 5809
Virus enhancement with a growth product of Streptomyces scabies. II. Increased release of coxsackievirus B5 from hEp-2 monolayers treated with scaben. 5811
Immunofluorescence identidication of Mycoplasma on agar by use of incident illumination. 6545
Avian reoviruses. IV. Relationship to human reoviruses. 6548
Application of the agar gel technique in the diagnosis of infectious bovine rhinotracheitis. 6567
Characterization of bovine viral diarrhea viruses. III. Partial purification by agar gel filtration. 6573

AGAVE
Investigations on chemical control of zebra disease in Agave hybrid no. 11648. 6036

AGGLUTINATION
Adaptation,culturing of R. sibirica in rabbit lice and preparation of a combined antigen for diagnosis of infection. 6783
Immunoglobulin development in sera of pigs injected with killed suspensions of Salmonella choleraesuis. 6788

AGGLUTINATION TEST
Enzootic abortion and sterility from bovine leptospirosis in the Po valley. 6488
Canine leptospirosis in Argentina. 6507
Serological examination for evidence of brucellosis and leptospirosis in beef herds in New South Wales. 6633
Ovine anti-brucellosis serology. Vaccine and infectious antibodies. Serums negative to the sero-agglutination of Wright and positive to complement deviation. 6689
A hemagglutination-inhibition test for Mycoplasma meleagridis antibodies. 6787
Tuberculosis in ducks. 6819
A preliminary report on the incidence of infectious laryngotracheitis (ILT) of poultry by gel-diffusion test. 6852

AGING
Studies on the sex ratio of the gypsy moth. 5248
The effect of predator age on the functional response of Podisus maculiventris to the prey size of Galleria mellonella. 5485
S.N.F. content of milk. 6446
Studies on an ocular infectious laryngotracheitis vaccine. 6459
Ancylostoma caninum: Food reserves and changes in composition with age in third stage larvae. 6928
The numbers and dynamics of eggs produced by a trematode Apatemon gracilis (Yamaguti, 1933) in relation to the age of a host and post-infection immunity. 6995
Toxicity of pesticides to man: Risks from present levels. 7107
The effect of sex and age on the response to warfarin in a non-inbred strain of mice. 7198

AGRICULTURAL CHEMISTRY
Soil science and agricultural chemistry. 5805
Rapid colorimetric determination of DOT in milk and butter. 7389

AGRICULTURAL ECONOMICS
Soya beans - specialist advice. 5777
Production of maize in tobacco areas. 5821
Soya beans - practical aspects. 5830
Damage caused by adults of Lepidoptera Noctuidae in mango fruits in 1964. 6145
Weed control and the economics of direct reseeding. 6318
Practical organization of field mice control. 6403
New equipment answer to demand for improved herbicide product. 7387
Groundnuts. 7410
Agricultural economics and rural sociology. 7412
Many problems in teaching pest control to Indonesians. 7418

AGRICULTURAL EDUCATION
Many problems in teaching pest control to Indonesians. 7418

AGRICULTURAL ENGINEERING
Agricultural engineering. 7392

AGRICULTURAL FINANCE
Financing of measures for prevention and control of animal infections in the Republic of Macedonia. 6560

AGRICULTURAL INDUSTRIES
Science and sense. As presented to the Weed Society of America, February 8, 1966. 5819
It takes more than tender, loving care to prevent blackspot. 5870
DDT: The critics attempt to ban its use in Wisconsin. 7071
Pesticide residues are not a problem. 7099
Pesticide residues. 7135
The organisation of the australian poultry industry and its influence on disease. 7405

AGRICULTURAL LEGISLATION
Science and sense. As presented to the Weed Society of America, February 8, 1966. 5819
Sanitary legislation in France concerning animal salmonellosis. 6417
Foot-and-mouth disease in England. 6721
Beware of brucellosis. 6761
Calcium oxytetracycline. Notice of extension of temporary tolerance. 7117
Interagency environmental hazards coordination; pesticides and public policy. 7423

AGRICULTURAL MECHANICS
An improved portable sheep dipping vat. 7012

AGRICULTURAL OUTLOOK
Can we conquer the 'mighty' mites. 6293

AGRICULTURAL POLICIES
Medicated feeds: States responsibilities. 7421
Salmonella control program - Michigan. 7422

AGRICULTURAL PRODUCTION ECONOMICS
Production and sales of pesticides show increase. 7409

AGRICULTURAL PRODUCTS
Biochemistry of aflatoxins. 6846
Tolerance and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Simazine. 7115
Calcium oxytetracycline. Notice of extension of temporary tolerance. 7117
TDE (or DDD). Proposed reduction of tolerances for residues in or on raw agricultural commodities. 7120
Toxicology of plant protection preparations. Tolerance limits for toxic residues. 7127
New equipment answer to demand for improved herbicide product. 7387
Salmonella control program - Michigan. 7422

AGRICULTURAL REGULATION
Regulation in connection with field and greenhouse culture of nursery plants. 6284
Pesticide chemicals; a programmed text. TP248.P47C6. 7419

AGRICULTURAL RESEARCH
Integrated insect control - a payoff from research. 5435
Kenaf promising as profit crop. 5851
Progress in witchweed control seen as pest fails to spread. 6319
Brush research in Texas, 1968. 6390
The story behind the label. 6419

Animal health business thrives. 6499

Regional research in nematode parasites of ruminants in the western United States, a 10-year summary, 1958-1968. 6949

Pesticide residues are not a problem. 7099

AGRICULTURE

A study of natural pastures in Madagascar. Productivity and pratical applications. 6427

Water pollution and agriculture. 7075

Birds and agriculture. 7134

Agricultural and horticultural fungicides-past, present, and future. 7416

AGRILUS ANXIUS

Maryland arborists discuss insect control. 6221

AGROBACTERIUM TUMEFACIENS

Preliminary observations placed in evidence that phages of Agrobacterium tumefaciens are responsible for Crown-Gall. 5966

A chemotherapeutic treatment for selectively eradicating crown gall and olive knot neoplasms. 6071

AGROMYZA PHASEOLI

Pests of legume seed crops in north Queensland. 6245

AGROSTIS

Fungicides and turf disease control - 1964. 5883

Disease control. 6138

AIR POLLUTION

Pesticides: Transatlantic movements in the Northeast trades. 7079

Contribution of aerial contamination to the accumulation of dieldrin by mature corn plants. 7092

Maximum place of work concentrations of health-endangering industrial materials. 7154

Permissible levels of occupational exposure to airborne toxic substances. Sixth report of the joint ILO/WHO Committee on Occupational Health. 7216

Ethylene prevents normal photoperiodic response in Chrysanthemum morifolium. 7286

AIR-BORNE PLANT DISEASES

Diseases of fruits and vegetables. 6050

Pyricularia oryzae. 6098

AIRCRAFT

Pest control with helicopter and biplane. 7391

ALDRIN

Contribution to the knowledge of the Cosmopolites sordidus (Germar)(Coleoptera, Curculionidae). (2). 5216

Effects of insecticides on insects and pathogenic fungi associated with alsike clover roots. 5815

A new disease of bananas in the Cauca Valley: a bacteriosis. 5999

The water weevil problem. 6146

Hylemyia cilicrura Rond. on the Dianthus cultures of Pescia and Versilia. 6174

Termites need no longer threaten groundnut in Nimar. 6202

Control of rodents. 7043

More about the pesticide residue problem. 7090

No effect level of DDT in induction of microsomal epoxidation. 7105

Insecticide residues in spring wheat plants grown in the field from seed treated with aldrin or heptachlor. 7132

Electro-reduction of dieldrin and aldrin. 7378

Microscopic identification of some chlorinated hydrocarbon insecticides on different substrata. 7381

ALEOCHARA

Finnish discovery of Aleochara peeziana Lohse (Coleoptera, Staphylinidae). 5148

ALEYRODIDAE

Growing camellias. 5859

Epidemiology of cotton leafcurl virus in the Sudan. 5946

ALFALFA

Insect answers; insecticide toxicity to alfalfa-pollinating bees. 5394

Grasshopper control, 1969. 5411

Susceptibility of an alfalfa leafcutting bee to residues of insecticides on foliage. 5668

Interaction of soil reaction and method of seed inoculation on alfalfa. 5781

Breeding and management of forage crops in the Eastern Plains. 5797

Conversion of DDT to DDD in soil and the effect of these compounds on soil microorganisms. 5809

Separation of top and bottom components of alfalfa mosaic virus by combined differential and density gradient centrifugation. 5913

Relationships of the clover root curculio, Fusarium wilt, and bacterial wilt in alfalfa. 5961

Alfalfa diseases. 5977

Cross interaction between different components of two strains of alfalfa mosaic virus. 6004

Alfalfa insects in Ohio. 6158

Control of insects on alfalfa and red clover. 6185

Alfalfa weevil control, 1969. 6206

Grasshopper control 1969. 6207

DDT-C14 translocation in alfalfa. 6270

Grow alfalfa in spite of the weevil. 6277

Selective control of hoary alyssum in alfalfa. 6355

Precision placement of herbicides for weed control in seedling alfalfa. 6359

The effect of magnesium on the growth of lucerne, grown on grey forest soils. 7228

Conversion of 4-(2,4-dichlorophenoxy) butyric acid to homologs by alfalfa; mechanism of resistance to this herbicide. 7264

The effect of microelements on the rate and percentage of germination with lucerne and soybean. 7279

Sulfur response of alfalfa in Western Montana. 7296

ALGAE

Disease control. 6138

These weeds mean trouble. 7042

Biological investigations of an infiltration area and experiments with some algicides. 7076

Some effects of diazinon on the microflora of submerged soils. 7133

Postirradiation modification of ultraviolet-sensitivity of normal and nitrofurazone-resistant strains of the blue-green alga Anacystis nidulans. 7217

Method for control of algae growth. Patent 3,443,924. 7363

ALGICIDES

Biological investigations of an infiltration area and experiments with some algicides. 7076

Zirconium compounds as algaecides. Patent 3,446,656. 7336

Method for control of algae growth. Patent 3,443,924. 7363

ALKALIES

Chemicals for control of cabbage clubroot - Plasmodiophora brassicae Wor. IV. Effect on the pathogen. 5915

ALKALINE PHOSPHATASE

The investigation of alkaline phosphatase in the feces of pigs during experimental oesophagostomosis. 6931

The investigations of main intestine enzymes--enterokinase and alkaline phosphatase in experimental pig trichocephaliasis. 6964

ALKALOIDS

Variation in concentration and composition of toxic alkaloids among strains of Phalaris tyberisa L. 6750

ALKYLLEAD HALIDE

Producing alkyllead halide. Patent 3,439,012. 7351

ALKYLS

Substituted and unsubstituted N-lower alkyl benzhydrylcarbamates as herbicides. Patent 3,431,099. 7358

ALLANTOIN

Preparation of stable noninfective influenza virus antigens for typing by hemagglutination-inhibition. 6773

ALLELES

The variation from year to year of the concentration and allelism of lethal mutations in neighbouring natural populations of Drosophila melanogaster. 5707

Analysis of a 6X6 diallel cross for hatchability in Drosophila melanogaster. 5734

ALLERGIES

Management of allergic disease by hyposensitization. 6482

Helminthoses as allergic diseases. 6941

Maximum place of work concentrations of health-endangering industrial materials. 7154

ALLUVIAL SOILS

The effect of some herbicides on weediness and yield of potatoes on alluvium soil. 7227

ALLYL-1,2-(METHYLENEDIOXY)BENZENE, 4-
Piperonylic acid conjugates with alanine, glutamate, glutamine, glycine, and serine in living houseflies.
5296

ALPHITOBIUS DIAPERINUS
Pre-treated rice hull litter for the control of the lesser mealworm (Alphitobius diaperinus Panzer).
6896

ALSIKE CLOVER
Effects of insecticides on insects and pathogenic fungi associated with alsike clover roots.
5815

Transmission and translocation of red clover vein mosaic virus in clover.
5921

ALTERNANTHERA PHILOXEROIDES
Alligatorweed found in Arkansas.
6384

Herbicidal treatment effect on carbohydrate levels of alligatorweed.
6397

ALTERNARIA
Changes in amino-acid content of Amaranthus tricolor leaves infected with Alternaria sp..
5891

The problems of plant disease control.
6034

ALTERNARIA CAPSICI-ANNUI
Fungistatic and fungicidal effects of certain organic products on some fungi causing diseases in vegetables.
5899

ALTERNARIA PORRI
The germination of conidia and the appressoriun formation of Alternaria porri on the surface of onion leaves.
5860

ALTERNARIA SOLANI
Potato early blight and storage rot.
5911

ALTERNARIA TENUIS
Sensitivity of stored melon fruit fungi to gamma irradiation.
7025

ALUMINUM PHOSPHIDE
Fumigate stored rice to reduce loss to insects.
7030

AMARANTHUS
Changes in amino-acid content of Amaranthus tricolor leaves infected with Alternaria sp..
5891

AMARANTHUS RETROFLEXUS
Effects of methods of placement on performance of trifluralin, CDEC, and DCPA applied to soil.
6364

AMBLYSEIUS
Biosystematics of Phytoseiulus persimilis AthiasHenriot (Acarina: Phytoseiidae).
5407

AMETRYNE
The effect of the dose and method of using herbicide A-1802 and cultivation measures on weediness and yield of corn.
7269

AMIBEN
Herbicides for weed control in sweet potatoes.
6341

Chemical weed control in sweet potatoes.
6396

AMIDES
Pesticidal compositions comprising N-substituted gamma hydroxycarboxylic acid amides. Patent 3,436,463.
7359

Organotin or mercury (carboxy hydrocarbylene amides). Patent 3,446,827.
7371

AMINES
Bromolysergic acid diethylamide in physiological studies of lepidopterous larvae.
5199

The localization of spermidine in salivary gland cells of Drosophila melanogaster and its effect on H-3-uridine incorporation.
5288

The effect of furan series' carboxylic acid N, N-bis-(2-chloroethyl) hydrazides and N, N-bis-(2-chlordethyl) amides on the growth of transplantable tumours and haematopoiesis of rats and mice.
6543

AMINO ACIDS
Rearing of Ips cembrae larvae on artifical diets: Some essential amino acids and sugars.
5206

D-Amino acids in animals.
5271

Piperonylic acid conjugates with alanine, glutamate, glutamine, glycine, and serine in living houseflies.
5296

Effect on aphid feeding of dietary methionine.
5479

Changes in the content of fixed amino acids in tissues of silk worm during development.
5592

Effect of starvation on the scorpion Palamnaeus bengalensis.
5612

Changes in amino-acid content of Amaranthus tricolor leaves infected with Alternaria sp..
5891

Nitrogenous compounds in the xylem sap of American elms with Dutch elm disease.
6083

Influence of various strains of the Aujeszky virus on the metabolism of cells cultured in vitro.
6658

Salmonellosis in sheep. I. Production of a complex antigen and some of its chemical and serological features.
6725

Synthesis of radioactive Trichinella spiralis larval antigen in vitro.
6799

Study of the transfer of amino acids from aminoacyl transfer ribonucleic acid into protein by ribosomes from uredospores of the bean rust fungus.
6879

Amino acid composition of some strongyle parasites of cattle.
6952

Influence of some herbicides on accumulation of 32P in above-ground organs of oats.
7223

Changes in ration of sugars and amino acids in cotton-plant and maize upon gamma-irradiation of seeds prior to sowing.
7250

The preparation of L- and D-alpha-amino-beta-methylaminopropionic acids and the identification of the compound isolated from Cycas circinalis as the L-isomer.
7311

AMINOBUTANE, 2-
Botrytis flower spot control in orchids.
6037

AMINOPROPYL)-1,4-BUTANEDIAMINE, N-(3-
The localization of spermidine in salivary gland cells of Drosophila melanogaster and its effect on H-3-uridine incorporation.
5288

AMITROLE
Repeated spraying to control southwest Oregon brush species.
6338

Effect of aminotriazole on thyroid function in the rat.
7164

AMMONIA
Retention and transformation of anhydrous ammonia in soil and effects on foot rot Fusaria.
6088

On the permanent bedding of chicken. Some technical and hygienic-sanitary questions.
6414

Ammonia poisoning in carp. 3. The oxygen content as a factor influencing the toxic limit of ammonia.
7208

AMMONIUM COMPOUNDS
Tri(C8-C10 alkyl) m- and p-nitrobenzyl quaternary ammonium halides. Patent 3,446,844.
7333

AMMONIUM SALTS
Method of facilitating harvest of mature plants. Patent 3,447,919.
7386

AMMONIUM SULFAMATE
Weed and brush control for drainage ditches.
6320

AMMONIUM SULFATE
Industrial fertilizers as herbicides seen in the light of new and old experiments.
7102

AMPHISTOMIASIS
Cattle paramphistomatidosis in Polesye.
6972

AMPICILLIN
Use of ampicillin instead of streptomycin in Salmonella-infected mouse peritoneal macrophage cultures.
6605

AMPROLIUM
The treatment of coccidiosis in domestic ruminants with Amprolium .
6603

Notice of withdrawal of petition for food additives dienestrol diacetate, amprolium, and penicillin.
7158

Notice of withdrawal of petition for food additives.
7178

Amprolium as a coccidiostat for Angora goats.
7184

AMYLASES
Effect of the composition of the nutrient medium on the amylase localization in Aspergillus oryzae.
7242

ANACARDIUM OCCIDENTALE
On the larvicidal action of crude cashewnut shell oil.
5757

ANALOGS
Studies on a series of branched-chain analogs of diethyl malathion and malaoxon with regard to toxicity and in vitro enzymatic reactions. (abstract).
7151

ANAMNESTIC REACTION
Experimental exposure of deer to California encephalitis virus.
6530

ANAPHYLAXIS
Studies on goat-pox virus. II. Serological reactions.
6806

ANAPLASMA MARGINALE
Evidence of lactate dehydrogenase in Anaplasma marginale.
6541

A proposed method of premunizing cattle with minimum inocula of Anaplasma marginale.
6579

An investigation into bovine anaplasmosis with complement fixation test (CFT).
6685

ANAPLASMOSIS
A proposed method of premunizing cattle with minimum inocula of Anaplasma marginale.
6579

An investigation into bovine anaplasmosis with complement fixation test (CFT).
6685

On pyroplasmodias in sheep and goats. II. Research into anaplasmosis.
6686

ANATOMY
X-ray analysis of hyphal and sclerotial walls of Sclerotium rolfsii Sacc. 5059

ANCYLOSTOMA CANINUM
Ancylostoma caninum: Food reserves and changes in composition with age in third stage larvae. 6928
Efficacy of tetramisole on nematode infections of dogs. 6981

ANDRENIDAE
Metapsaenythia, a new panurgine bee genus (Hymenoptera, Andrenidae). 5154

ANDROGENS
Improving egg quality in poultry by orally administering androgens. Patent 3,438,783. 6433

ANEMIA
Results of hemoglobin determination in piglets in the framework of herd diagnosis of piglet anemia. 6540
Feline infectious anemia (Haemobartenella felis) diagnosis and treatment. 6594
Hematological response of different stocks of chikens to iron-copper deficient diet. 6862

ANESTHETICS
Hepatotoxic potency of various chlorinated hydrocarbon vapors relative to their narcotic and lethal potencies in mice. 7166

ANESTRUS
Treatment of anoestrus in dairy cattle. 6624

ANGULAR LEAFSPOT
Penetration and distribution of some antibiotics in cotton tissue and its resistance to bacterial blight of cotton. 7221

ANILINE
Metabolism of aniline in the cattle tick Boophilus microplus Canestrini. 5368

ANIMAL ABNORMALITIES
Feline osteodystrophy, its treatment and prevention. 6639
Testicle hypoplasia in a boar of the Gottinger miniature swine breed. 6792
Experimental arsanilic acid poisoning in pigs. 7169
Teratogenic action of carbaryl in beagle dogs. 7202
Biochemical studies on the teratogenic action of Bidrin and other neuroactive agents in developing hen eggs. 7207

ANIMAL BREEDING
Artificial insemination of livestock in the South Pacific. 6434
Trypanotolerant cattle, Breeding in Central African Republic. 6550
Genetic resistance to leukosis caused by the JM virus in the fowl. 6612
Heredity and breeding measures taken against hip joint dysplasia of the dog. 6720
Ridding sheep breeding farms of helminthoses. 6956
Thieves in the poultry house. 7041

ANIMAL DISEASE TRANSMISSION
Ranikhet disease can be controlled. 6638
Houseflies, blowflies and cluster flies. 6901

ANIMAL DISEASES
Transmission of the tularemia pathogen to homothermal animals by Ixodes ticks. (JPRS 44,105). 5758
Species of Borrelia from a Columbian bat. (Natalus tumidirostris). 5762
Review of the most important causes of death and disease of dogs over a period of 15 years. 6448
National approach to control of animal disease in Australia. Editorial. 6468
Management of allergic disease by hyposensitization. 6482
Duodenal leiomyosarcoma: A case report. 6491
Methods of controlling protozoa infections with N-substituted 1,4-diamino 2,3-anthraquinonedicarboximides. Patent 3,436,460. 6495
Mastocytosis with gastrointestinal ulceration in a dog. 6511
Recent techniques for serodiagnosis of human and animal hydatidosis. IV. Test with sensitized particals of Latex. 6513
The organization of the collective prophylaxis of infectious animal diseases in France. 6520
Cross-protection against Salmonella enteritidis infection in mice. 6528
Leptospirosis icterchaemorrhagiae in dogs in Tasmania. 6531
Contribution to the study of prophylaxis of bovine pneumonia in the Republic of Haute-Volta. 6551
Financing of measures for prevention and control of animal infections in the Republic of Macedonia. 6560
Relationships of X-irradiation to the enhancement of Candida albicans infections. 6599
Suspected primary hyperparathyroidism in the dog. 6601
Use of ampicillin instead of streptomycin in Salmonella-infected mouse peritoneal macrophage cultures. 6605
Studies on the method of experimental infection of Vibrio parahaemolyticus. I. Infection of Vibrio parahaemolyticus into intestinal segments of rabbits. II. Influence of chemotherapeutic agents on intestinal segments of rabbit infected with Vibrio parahaemolyticus. 6617
In vivo growth and distribution of anthrax bacilli in resistant, susceptible, and immunized hosts. 6653
An unusual case of pseuoomonas conjunctivitis in a Siamese cat. 6663
Animal leptospirosis in Primorye. 6671
Statistical analysis of blood serum composition, urine excretion levels and the occurrence of urolithiasis in sheep. 6687
Contribution to the study of uterine dysplasias of functional origin in dogs. 6692
Studies on the effectiveness of fox den fumigation for rabies control in the district of Wolgast. 6696
Results of microbiological examination of reservoir animals in the west Slovakia region for tularemia. 6701
Plasmodium brasilianum in Columbian monkeys. 6704
Vaginal papilloma of the cat. 6706
Canine nocardiosis due to Nocardia caviae. 6733
Investigations on the incidence of rinderpest virus infection in game animals of n. Tanganyika and s. Kenya 1960/63. 6769
Relation of infection to tissue temperature in mice infected with Mycobacterium marinum and Mycobacterium leprae. 6813
Hypercalcemia and gastro-duodenal ulcerations. 6849
Temperature response in animals infected with Bacillus anthracis. 6860
Mechanisms of pathogenesis in Listeria monocytogenes infection. III. Carbohydrate metabolism. 6866
Adrenal neoplasms in slaughtered cattle. 6877
The impala as a source of food and by-products. Data on production potential, parasites and pathology of free-living impalas of the Kruger National Park. 6880
Infection of some species of Gamasidae with R. burneti in the natural Q-fever foci. 6910
In vitro culture and hatching of Ascaridia galli eggs. 6924
A survey of parasites in laboratory primates. 6998
Cortisone nephropathy in the rabbit. The effect of warfarin administration. 7195

ANIMAL ECOLOGY
Soil nematode fauna occuring in the Jadwisin fields near Warsaw and the effect of environmental conditions on them. 6296
The incidence of clinical babesiosis in cattle in Queensland. 6651
Epidemiology of helminth infestation of beef cattle in central Queensland. 7019
The murids in the vicinity of Lake Kivu and neighboring regions (Central Africa) and their ecology. 7045

ANIMAL EVOLUTION
Biology of invertebrata. 6449

ANIMAL GENETICS
Zootechnical initiatives carried out during 1966. 6422
Sex-linked dwarfism and egg production of broiler dams. 6430
Genetic resistance to leukosis caused by the JM virus in the fowl. 6612
Anticoagulant resistance. (Part 2). 6640
Heredity and breeding measures taken against hip joint dysplasia of the dog. 6720
Pre-disposing factors in mastitis. III. Genetic influences on udder health. 6778

ANIMAL HISTOLOGY
Notes on the spontaneous pathology of the dog in the laboratory. 3rd note: Concerning a spontaneous hepatectomy. 6452
Clinical and pathological studies of Border Leicester rams naturally infected with Actinobacillus seminis. 6487

Actinomycosis of mandible gingivae. 6494

Studies on avian encephalomyelitis. IV. Early incidence and longevity of histopathologic lesions in chickens. 6506

Four cases of systemic mycosis in cervids. 6577

Distribution of experimentally induced scrapie lesions in the brain. 6580

Microscopic skin lesions in cattle with foot-and-mouth disease. 6587

Early changes in bursa of Fabricius from Marek's disease. 6642

Histologic features of atherogenesis and aortic rupture in turkeys. 6684

Urine-retention caused by a peri-urethal leiomyoma, in a female dog. 6691

Histochemical premises to the study of the adrenal medullary tumors of cattle. 6703

Viral etiology of the bovine lympholeukosis. 6729

Canine nocardiosis due to Nocardia caviae. 6733

A new influenza A virus infection in turkeys. V. Pathology of the experimental disease by strain turkey/Ontario 7732/66. 6738

The role of the hypophyseal-suprarenal system in the etiopathogenesis of primary ketosis in cattle. 6767

A histologic study of medullary bone of laying hens under different diet and housing conditions. 6789

Bovine herpes mammillitis virus. III. Observations on experimental infection. 6796

Herpesvirus in Marek's disease tumors. 6800

Notes on the spontaneous pathology of the dog in the laboratory. 1st note: Leiomyosarcoma of the mesentery in a female dog. 6851

Cell culture techniques for primary isolation of Marek's disease-associated herpesvirus. 6872

Adrenal neoplasms in slaughtered cattle. 6877

The development of the infective larva of the canine oesophageal tumour worm Spirocerca lupi in rabbits and its histopathology. 6926

Organochlorine pesticides in seals. 7109

Pharmacodynamics of diclorin in pigeons. 7131

Effects of Echis carinatus venom on tissue and blood histamine and their relations to local tissue reactions and eosinophil changes. 7187

Cortisone nephropathy in the rabbit. The effect of warfarin administration. 7195

ANIMAL HUSBANDRY

The story behind the label. 6419

Isotopes in agriculture. 6440

Turkey management guide. 6441

Animal science. 6442

Animal health business thrives. 6499

Disease prevention in the piggery. 6544

The Ukraine on the way of freeing animal husbandry from the main helminthoses. 6936

ANIMAL METABOLISM

On antibody metabolism in pigs and calves, following the application of homologous and heterologous specific gamma-globulins. 6718

Mechanisms of pathogenesis in Listeria monocytogenes infection. III. Carbohydrate metabolism. 6866

Enhanced metabolism of methyprylon, meprobamate, and chlordiazepoxide hydrochloride after chronic feeding of a low dietary level of DDT to male and female rats. 7152

Residues in the body fat of steers fed kelthane in their ration. (Abstract). 7192

ANIMAL MORPHOLOGY

Biology of invertebrata. 6449

The morphologic response of the turkey oviduct to certain pathogenic agents. 6483

A comparative study of morphologic changes within Hep-2 culture cells inoculated with various adenovirus serotypes. 6744

Morphologic and histochemical studies on the nervous system of tapeworms revealed by the cholinesterase method (Taenia hydatigena, Dipylidium caninum and Moniezia expansa). 6963

ANIMAL NUTRITION

On the permanent bedding of chicken. Some technical and hygienic-sanitary questions. 6414

The story behind the label. 6419

Growth, feed efficiency and gross chemical composition in market-weight pigs as influenced by a combination of synthetic sex hormones and tylosin. 6420

Experiments with fattening pigs on pasture. 6426

Improving egg quality in poultry by orally administering androgens. Patent 3,438,783. 6433

Influences of an anti-ovulatory compound on the expression of vitamin D deficiency signs in laying hens. 6518

Properties of pasteurella organisms isolated from birds fed antibiotics for a long period. 6569

Locoweed poisoning. 6581

Magnesium requirement of the laying hen for reproduction. 6607

On the mineral content of the Swiss meadow fodder and its relationship to herd sterility. 6616

Requirement of turkey poults for biotin and effect of deficiency of incidence of leg weakness in developing turkeys. 6648

Effects of ration energy level, vaccination, and antibiotics on feedlot performance of range lambs. 6795

Interaction of rubidium and potassium in chick diets. 6797

Anti-microbial drugs in animal feeds. 6821

An outbreak of male fern (Dryopteris filix-mas) poisoning. 6822

The control and treatment of posthitis. 6829

Role of calcium in the nutritional etiology of a metabolic disorder in ruminants fed a high grain ration. 6857

Hematological response of different stocks of chikens to iron-copper deficient diet. 6862

Influence of sulfur on incidence of white muscle disease in lambs. 6865

The feeding habits of the yellow mongoose, Cynictis penicillata, the suricate, Suricata suricatta and the Cape ground squirrel, Xerus inauris. I. Analysis of stomach contents 2. Observations on free-living and captive animals. 6886

Effects of gastrointestinal nematode parasites on performance in feedlot cattle. 6912

The effect of a pretreatment with phenobarbital on the metabolism of DDT in dairy cows and young bulls. 7086

Use of antibiotics in animals. 7181

Nickel toxicity in young growing mice. 7212

Medicated feeds: States responsibilities. 7421

ANIMAL PHYSIOLOGY

D-Amino acids in animals. 5271

Effects of dimetridazole and antibiotics on growth and reproduction in turkeys. 6415

Growth, feed efficiency and gross chemical composition in market-weight pigs as influenced by a combination of synthetic sex hormones and tylosin. 6420

Absorption and distribution of ethylenediaminetetraacetic acid (EDTA) ingested by the chick. 6432

Veterinary science. 6438

Curvularin-containing animal feed for promoting growth and increasing feed efficiency. Patent 3,436,223. 6447

Combined action of Rous sarcoma virus and chemical carcinogen in rats. 6456

Studies on an ocular infectious laryngotracheitis vaccine. 6459

Pig diseases. 6489

Suspected primary hyperparathyroidism in the dog. 6601

Magnesium requirement of the laying hen for reproduction. 6607

Ovarian cycle in cows with irregular estrus cycles. 6644

Schiff bases of 2-formylquinoxaline-1,4-dioxides as growth promoters and systemic and nonsystemic infection control agents in animals. Patent 3,433,871. 6650

The comparative metabolism of ethylene dimethanesulphonate and ethylene dibromide. 6652

Evidence for conversion of DDT to TDE in rat liver: II. Conversion of p,p'DDT to p,p'TDE in axenic rats. 6753

Changes in permeability of the mucosa during intestinal coccidiosis infections in the fowl. 6777

A histologic study of medullary bone of laying hens under different diet and housing conditions. 6789

Effect of paddock size, stocking rate, anthelmintics, and trace elements on the weight gain of young cattle. 6828

Effect of exogenous progesterone on Corpora lutea in unilaterally hysterectomized heifers. 6876

Adrenal neoplasms in slaughtered cattle. 6877

The development of the infective larva of the canine oesophageal tumour worm Spirocerca lupi in rabbits and its histopathology. 6926

Remarks concerning the experimental infestation of guinea pigs with the East African strain of Trichinella spiralis. 6946

A comparative analysis of the localization of cholinesterase activity in some parasitic nematodes. II. Ascaris suum, Parascaris equorum, Neoascaris vitulorum and Oxyuris equi. 7021

Pharmacodynamics of diclorin in pigeons. 7131

A method for studying motor reactions of ascarids. 7153

Central neurotoxic effects of the venoms of Naja naja and Vipera palestinae. 7179

Effects of Echis carinatus venom on tissue and blood histamine and their relations to local tissue reactions and eosinophil changes. 7187

Nickel toxicity in young growing mice. 7212

ANIMAL TAXONOMY

Soil nematode fauna occuring in the Jadwisin fields near Warsaw and the effect of environmental conditions on them. 6296

Biology of invertebrata. 6449

Selected Crotalidae venom properties as a source of taxonomic criteria. 7172

Antigenic relationships of the venom of Atractaspis microlepidota to that of other snakes. 7186

ANIMAL VECTORS

Species of Borrelia from a Columbian bat. (Natalus tumidirostris). 5762

Control of sparrows on poultry farms. 6443

Toxoplasma gondii: Fecal forms separated from eggs of the nematode Toxocara cati. 6582

Preliminary results in a study of natural foci of tularemia in the Sisak-Gusce-Popavaca region of Croatia. (JPRS 44,159). 6623

Transmission of classical Marek's disease by affected and carrier birds. 6666

Experimental infection of the bat Myotis myotis Borkhausen with the Tahyna virus. 6674

Results of microbiological examination of reservoir animals in the west Slovakia region for tularemia. 6701

Toxoplasma gondii: Transmission through feces in absence of Toxocara cati eggs. 6811

Western Encephalitis virus in Alberta. 6812

The feeding habits of the yellow mongoose, Cynictis penicillata, the suricate, Suricata suricatta and the Cape ground squirrel, Xerus inauris. 1. Analysis of stomach contents 2. Observations on free-living and captive animals. 6886

The epizootiology of dicrocoeliosis in the province of Leon. 6967

Thieves in the poultry house. 7041

Table of human infections. In: Diseases of man acquired from his pets. 7146

ANIMALS

Curvularin-containing animal feed for promoting growth and increasing feed efficiency. Patent 3,436,223. 6447

Evolution of botulism. V. Evolution of pathogenic propertis of Cl. botulinum. 6505

Biochemistry of aflatoxins. 6846

Effects of total and partial body radiation on helminthic infections. 6923

Notes on precautions to be taken in the use of spray chemicals. 7159

Antibiotics. Use in animals. 7177

Use of antibiotics in animals. 7181

Method of controlling reproductive cycle with 6alpha - methyl - 17alpha hydroxyprogesterone 17-acetate. Patent 3,444,296. 7374

ANNUAL PLANTS

Competition between burroweed and annual and perennial grasses for soil moisture. 6328

Weed control in turf - 1967. 6345

Growth characteristics and herbicide susceptibility of Texas Panicum. 7232

ANOBIIDAE

Fumigate stored rice to reduce loss to insects. 7030

ANOETIDAE

Contributions to the knowledge of the family Anoetidae (Acari). 5140

ANOPHELES

Distributional and biological notes on the tree hole mosquitoes of the western United States. 5112

Studies on the age composition of Anopheles culicifacies populations in India at different phases of development of resistance to DDT. 5159

Notes on the mosquitoes of the Islamic Republic of Mauritania. (Dipt. Culicidae). (2). 5351

Control of anopheline species in the Canal Zone with ultra-low volume sprays of malathion and fenthion. 5759

ANOPHELES FREEBORNI

Falciparum malaria transmissible from monkey to man by mosquito bite. 5751

ANOPHELES GAMBIAE

Results of consecutive matings of female Anopheles gambiae species B with fertile and sterile males. 5242

ANOPHELES QUADRIMACULATUS

Malaria and victory in Vietnam. 5763

ANOPHELES STEPHENSI

Nonspecific esterases in mosquitos. 5316

The salivary chromosomes of Anopheles stephensi stephensi. 5737

ANOPLURA

Adaptation,culturing of R. sibirica in rabbit lice and preparation of a combined antigen for diagnosis of infection. 6783

The occurrence of the capillate louse, Solenopotes capillatus, in South Africa. 6887

Lice and mites in poultry. 6890

1969, controlling insects on sheep and goats. 6905

ANOXIA

Biochemical correlates of respiratory and developmental changes in anoxic Tribolium confusum pupae. 5408

ANTENNAE

The validity of the separation of Thrips physapus L. and T. hukkineni Priesner (Thysanoptera: Thripidae). 5166

Antennal pulsatile organs in Scolopendra morsitans (Chilopoda:Myriapoda). 5545

ANTHELMINTICS

Shell products for animal health. 6423

Effect of paddock size, stocking rate, anthelmintics, and trace elements on the weight gain of young cattle. 6828

Effects of gastrointestinal nematode parasites on performance in feedlot cattle. 6912

The biochemical mechanism of action of the anthelmintic drug tetramisole. 6918

Evaluation of parbendazole as an anthelmintic in cattle. 6919

The systemic action of methyridine against helminths, especially whipworms, in dogs. 6929

Results and prospects of dehelminthization measures. 6933

Coumaphos, a new anthelmintic for control of Capillaria obsignata, Heterakis gallinarum, and Ascaridia galli in chickens. 6940

Critical and controlled laboratory trials in sheep with tetramisole. 6950

The introduction of Nematodirus battus (Crofton and Thomas, 1951) into a new environment. 6951

Chemotherapeutic agents. 6984

A comparative study of the activities of 2,6-diiodopara-nitrophenol (Disophenol) and 2-para-thiazolylbenzimidazole (Thiabendazole) as anthelmenthic for sheep. 6999

An approach to the treatment of outbreaks of Fascioliasis in sheep. 7001

Treatment of gastrointestinal parasitism of cattle with Parbendazole. 7004

The efficiency of copper sulphate, phenothiazine and sodium chloride mixture against sheep helminthoses. 7005

Anthelmintic treatment of sows with thiabendazole. 7015

Techniques for the systematic control of anthelmintics. gastrointestinal nematodes. Tests with a series of indole-hydrazines. 7194

ANTHERAEA PERNYI

Cytodifferentiation during insect metamorphosis: The galea of silkmoths. 5399

ANTHERAEA POLYPHEMUS
Cytodifferentiation during insect metamorphosis: The galea of silkmoths.
5399

ANTHOCEPHALUS CADAMBA
'miracle' tree is in trouble.
6301

ANTHOMYIIDAE
Olfactory response of larvae of the onion maggot, thylemya antiqua Meigen (Diptera: Anthomyiidae) to organic sulfur compounds.
5458

Hylemyia cilicrura Rond. on the Dianthus cultures of Pescia and Versilia.
6174

ANTHONOMUS GRANDIS
New thrust against boll weevils.
5208

Field studies of an attractant in the male boll weevil.
5338

Resistance to boll weevil (Anthonomus grandis Boh.) oviposition in cotton.
6197

Diapause gets 95 per cent kill.
6243

Effect of climatic factors on the susceptibility of insects to insecticdes.
6251

Control cotton insects .
6278

High praise for low volume insecticide spraying.
7136

ANTHOPHORIDAE
Biology of Dufourea and of its cleptoparasite, Neopasites (Hymenoptera: Apoidea).
5646

ANTHRACNOSE
Kenaf promising as profit crop.
5851

Anthracnose resistance in anthurium.
5866

Anthracnose in beans:Determination and variations in the malonic acid content in the different parts of healthy and parasitized plants.
5886

Dogwood diseases.
5944

Studies on the control of the anthracnose of Acacia dealbata caused by Glomerella cingulata Stonem.
5954

Diseases of pulses pose a challenge to plant pathologists, breeders.
6047

Studies on the resistance to Anthracnose disease, (Gloeosporium ampelophagum) of grape varieties in Northern India.
6113

ANTHRAX
In vivo growth and distribution of anthrax bacilli in resistant, susceptible, and immunized hosts.
6653

The effect of social and economic changes in the People's Republic of Bulgaria on morbidity from anthrax.
6661

On the employment of egg yolk in immunofluorescent diagnosis of anthrax.
6682

Temperature response in animals infected with Bacillus anthracis.
6860

ANTHRAX VACCINES
Antibody response in animals immunized with different types of anthrax vaccine.
6755

ANTHRIBIDAE
Contribution to the faunal list of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. LXI. Coleoptera Anthribidae.
5069

ANTHURIUM
Anthracnose resistance in anthurium.
5866

ANTIBIOSIS
All we know about pink bollworms.
6271

ANTIBIOTICS
Are sick plants dangerous.
5943

Production of cellulase, antibiotic and antitumor substances by growing Eumyces ATCC 16425 Patent 3,438,864.
6445

Victoria's footrot control area.
6470

Parenteral chemotherapy of ovine foot-rot.
6561

Properties of pasteurella organisms isolated from birds fed antibiotics for a long period.
6569

A new antibiotic: Gentamicin sulphate in Pseudomoniasis by Pseudomonas aeruginosa in Chinchilla laniger.
6570

Controlling bloat in cattle grazing clover.
6578

The effect of antibiotics on the immunity development to pasteurellosis in swine.
6592

Feline infectious anemia (Haemobartenella felis) diagnosis and treatment.
6594

The application of ultrasound in the treatment of mastitis in cows.
6598

Use of ampicillin instead of streptomycin in Salmonella-infected mouse peritoneal macrophage cultures.
6605

Field observations on parenteral antibiotic treatment of ovine foot-rot.
6613

Some characteristics of Staphylococcus aureus isolated from the skin and upper respiratory tract of domesticated and wild (Feral) birds.
6615

Observing the sensitivity of Francisella tularensis to antibiotics in vi tro.
6621

Eperythrozoonosis in swine: A review.
6669

Arthritis in chickens due to Staphylococcus aureus.
6680

Cause and prevention of epizootic bovine abortion.
6716

Incidence of udder infections arising at various stages of lactation of cows.
6734

Effects of ration energy level, vaccination, and antibiotics on feedlot performance of range lambs.
6795

On antibiotic-antimycotic therapy in cattle mastitis.
6802

The in vitro sensitivity of avian salmonella strains to 6 drugs. I. Investigation on 1024 strains isolated 1945-1958.
6808

Anti-microbial drugs i n animal feeds.
6821

Influence of some preparations applied into the udder on the pH, microscopic cellular appearance, California Mastitis Test and on the content of catalase and chlorides in milk.
6837

Penicillin and other inhibitory substances in milk: The development and application of a routine test in New Zealand.
7061

Biological investigations of an infiltration area and experiments with some algicides.
7076

Contribution to the study of antibiotic substances in meats.
7141

Tests with a combination preparation for the treatment of infectious diseases of microbial origin.
7148

Antibiotics. Use in animals.
7177

Use of antibiotics in animals.
7181

Increase in resistance to antibiotics in mastitis agents.
7213

Penetration and distribution of some antibiotics in cotton tissue and its resistance to bacterial blight of cotton.
7221

Lower alkanoyl esters of polymyxin antibiotics. Patent 3,450,687.
7350

Fat as a factor in the epimerization of chlortetracycline in feeds.
7353

Antibiotic lambertellin and method for production. Patent 3,438,998.
7375

ANTIBODIES
Serological survey on the incidence of bovine leptospirosis in the province of Belluno.
6464

Immuno-fluorescent study of antibody formation in immunization of guinea pigs with a live brucella culture.
6478

Immune response of chickens to six strains of Newcastle disease virus as measured by hemagglutination-inhibition test.
6517

The immunity induced in cattle and sheep by inoculation of neurotropic or pantropic Rift Valley fever viruses.
6523

Experimental exposure of deer to California encephalitis virus.
6530

The characteristics of Staphylococcus aureus isolated from cases of staphylococcosis in poultry.
6614

Clostridium septicum infection in a broiler flock.
6622

Serological examination for evidence of brucellosis and leptospirosis in beef herds in New South Wales.
6633

Attempts to induce recombinant somatic cells in chicken erythrocyte chimaeras by repeated injection of western equine encephalomyelitis virus.
6660

Early antibody response in mice to either infection or immunization with Salmonella typhimurium.
6665

An investigation into bovine anaplasmosis with complement fixation test (CFT).
6685

Ovine anti-brucellosis serology. Vaccine and infectious antibodies. Serums negative to the seroagglutination of Wright and positive to complement deviation.
6689

Prevalence of Sindbis virus antibodies in an Egyptian rural community.
6710

On antibody metabolism in pigs and calves, following the application of homologous and heterologous specific gamma-globulins.
6718

The isolation of Leptospira sejroe from the kidneys of aborting cattle.
6724

Effects of Salmonella senftenberg injection on chicks hatched from eggs in treatment of testosterone propionat e.
6736

Antibody response in animals immunized with different types of anthrax vaccine. 6755

Studies on the fluorescent and neutralizing antibodies to bluetongue virus in sheep. 6766

Rinderpest protection in cattle by measles virus. Application in calves with passive immunity from maternal antibodies. 6779

Resistance against canine distemper induced by measles virus. I. Measles vaccination in the presence of distemper antibodies. 6782

Avian leukosis-sarcoma viruses and antibody in field flocks, and their relationship to leukosis mortality. 6784

A hemagglutination-inhibition test for Mycoplasma meleagridis antibodies. 6787

Colostral immunity against salmonella infection in calves. 6794

Detection of complement fixing antibody to the agents of tick typhus fever of northern Asia and Q fever in wild animals of the extreme north of western Siberia. 6810

The olfactory bulb lesion in the hibernating squirrel (Citellus lateralis) infected with coxsackievirus B-3. II. Immunological study. 6816

Comparative study of the Aujeszky virus and of the herpes simplex virus by the immunofluorescence method. II. Kinetic study of the herpes simplex virus by the immunofluorescence method. 6843

ANTICOAGULANTS

Anticoagulant resistance. (Part 2). 6640

Tolerance status of some rats to an anticoagulant rat poison. 7038

Anticoagulant resistance in Europe. 7040

ANTIGENS

Development of virus antigen in tissues of Picris brassicae inoculated with Tipula iridescent virus. 5534

Management of allergic disease by hyposensitization. 6482

A Brucella ovis antigen for the skin test of ovine genital brucellosis. 6515

Methods of serological diagnosis in caprine Brucellosis. A comparative study. 6516

A complement fixation test for the study of avian mycoplasma. 6583

The olfactory bulb lesion in the hibenating squirrel (Citellus lateralis) infected with coxsackievirus B-3. I. Virus assay, light microscopic and immunofluorescent study. 6604

Hemagglutinin of rabies and some other bullet-shaped viruses. 6611

Antigens of Brucella abortus. I. Chemical and immundelectrophoretic characterization. 6628

The experience with the indirect immunofluorescence application to the rabies virus identification. 6632

The detection of the ECPO virus antigen in tissue culture with the aid of fluorescent antibodies. 6681

An investigation into bovine anaplasmosis with complement fixation test (CFT). 6685

Electron microscopy study of the localization of antigens in a virulent and an avirulent strain of Francisella tularensis, using mercury-labelled antibodies. 6719

Salmonellosis in sheep. I. Production of a complex antigen and some of its chemical and serological features. 6725

Preparation of stable noninfective influenza virus antigens for typing by hemagglutination-inhibition. 6773

Adaptation,culturing of R. sibirica in rabbit lice and preparation of a combined antigen for diagnosis of infection. 6783

A hemagglutination-inhibition test for Mycoplasma meleagridis antibodies. 6787

Synthesis of radioactive Trichinella spiralis larval antigen in vitro. 6799

Detection of pseudorabies virus by immunofluorescence. 6833

Comparative study of the Aujeszky virus and of the herpes simplex virus by the immunofluorescence method. II. Kinetic study of the herpes simplex virus by the immunofluorescence method. 6843

The value of some standardized Trichinella spiralis antigens, as estimated by intradermal tests. 6948

A physico-chemical approach to the serological diagnosis of cysticercosis. 6976

Study on the immunogenicity of cocoa beans. 7024

Purification and properties of in vitro--produced anthrax toxin components. 7162

Antigenic relationships of the venom of Atractaspis microlepidota to that of other snakes. 7186

ANTIMETABOLITES

The calcium sensitivity of ATPase activity of myofibrils and actomyosins from insect flight and leg muscles. 5456

The evaluation of the metabolic-inhibition technique for the study of Mycoplasma gallisepticum. 6839

ANTIRRHINUM MAJUS

Snapdragon rust. 5882

ANTISEPTICS

The control and treatment of posthitis. 6829

Comparative susceptibility of Aspergillus towards various fungicides and antiseptics. 7226

ANTISERUM

The evaluation of the metabolic-inhibition technique for the study of Mycoplasma gallisepticum. 6839

ANTITOXINS

Medium-chain triglycerides as a stress factor in vitamin E deficiency of chicks. 6502

ANTONINA GRAMINIS

Study of the control of Antonina graminis (Maskell)--curse of hay (Digitaria pentzii) with granular systemic insecticides. 6175

ANUS

Treatment of anal tumors with Honvan-Asta. 6559

AONIDIELLA AURANTII

The biological control of red scale Aonidiella aurantii (Mask), on citrus in South Africa. 6155

Systemic activity of UC-21149 against the citrus red mite, citrus thrips, California red scale, and spirea aphids on nonbearing orange trees. 6265

Oil deposit on grapefruit leaves with 3 types of spray equipment in relation to control of certain citrus pests. 7101

AORTA

Histologic features of atherogenesis and aortic rupture in turkeys. 6684

APANTELES

New record of a braconid parasite, Apantales colemani Viereck., from the larvae of Euproctis lunata Walker. 5514

APATEMON GRACILIS

On the biology of Apatemon gracilis (Rud., 1819), a trematode parasitizing in domestic and wild ducks. 6994

The numbers and dynamics of eggs produced by a trematode Apatemon gracilis (Yamaguti, 1933) in relation to the age of a host and post-infection immunity. 6995

APHELENCHUS AVENAE

Cellulytic and pectolytic enzymes in the nematode, Aphelenchus avenae. 6285

APHELINUS MALI

A new aphid host of Aphelinus mali (Haldeman) in India. 5581

Establishment of Aphelinus mali (Haldeman) at Shillong, Assam. 6163

APHIDIDAE

A new kind of Macrosiphoniella (Macrosiponiella Haerelli n. sp.(Aphididae)) of Artemisia rupestris. 5058

A new species of Aulacorthum Mordvilko (Homoptera, Aphididae) from Japan. 5065

Descriptions of two new aphid species (Sitobion equiseti sp. n. and Linosiphon asperulophagus sp. n.) from Czechoslovakia (Homoptera, Aphididae). 5072

Contribution to the study of Aphididae (Hom) of the French forests. 5087

A revision of the fern aphids of Japan with descriptions of three new species (Homoptera: Aphididae). 5104

Fatty acid composition of limited use in aphid taxonomy. 5175

Hard to kill pests of fruit trees - woolly apple-aphid. 5195

Early season insects no problem for B. A. Jordan. 5196

Spraying in mustard is a must. 5258

Oviposition responses by aphidophagous Syrphipae (Diptera). 5260

Procedures and materials perfected for the rearing and collection of homopterans (Aphididae and Jassidae) during virus transmission studies. 5313

Comparison of the structure of symbiotic bacteria in various sap sucking insects. 5433

Effect on aphid feeding of dietary methionine. 5479

A model of the plant-to-plant movement of aphids. II. Estimation of parameters and the application. 5602

Aphidofauna of honey plants as a source of subsidiary hosts of aphidiid wasps (Hymenoptera, Aphidiidae). 5628

Egg reduction of the Colorado beetle (Leptinotarsa decemlineata Say) as a hunger-dependent reaction. 5650

Contribution to the study of the population dynamics of the plant louse Toxoptera autantii (Boyer) on lemon trees (Citrus limon Burm). 5674

Granny Smith versus Jonathan. 5840

The relationship of Johnson grass and other perennial hosts of maize dwarf mosaic virus to disease spread and control. 6108

Studies on the transmission of pea leaf roll virus by Myzus persicae (Sulz.). 6132

Control of some pests of evergreens. 6162

Northern spy, Merton and Malling-Merton rootstocks susceptible to woolly aphid, Eriosoma lanigerum, in the Western Cape. 6180

Control of insects on alfalfa and red clover. 6185

Maryland arborists discuss insect control. 6221

Insect pests of barley and their control. 6231

Pests of legume seed crops in north Queensland. 6245

Control cotton insects. 6278

APHIS CRACCIVORA
Relationship of pea mosaic virus with its vector Aphis craccivora Koch.. 6092

APHIS FABAE
New insecticides against pests of rape and beets. 6248

APHIS GOSSYPII
A new aphid host of Aphelinus mali (Haldeman) in India. 5581

Brain of Aphis gossypii Glover. 5586

APHIS SPIRAECOLA
Systemic activity of UC-21149 against the citrus red mite, citrus thrips, California red scale, and spirea aphids on nonbearing orange trees. 6265

APHOLATE
Incorporation of tritiated thymidine into the ovarian DNA of stable flies: Effects of treatment with apholate. 5259

Effect of certain alkylating and non-alkylating chemosterilants on Culex fatigans Weid. 5342

Studies on control of house flies in Egypt by chemosterilants. I. Laboratory studies on Musca domestica vicina. 5346

Chemosterilization of the two-spotted spider mite. I. Effect of chemosterilants on the biology of the mite. II. Histopathological effect of apholate and 5-fluorouracil on the reproductive organs. 5390

Chemosterilization of the two-spotted spider mite. IV. Effect on population. 5391

House fly control by chemical sterilization with apholate. 5430

Hematological effects of apholate on channel catfish (Ictalurus punctatus). 7156

Chemosterilization of the two-spotted spider mite. III. Effect on host plant. 7252

APHYTIS
Aphytis mytilaspidis (Le Baron), a parasite of Parlatoria blanchardi (Targ) in the palm plantations of the Adrar region of Mauritania. 6211

APIDAE
Biology of Dufourea and of its cleptoparasite, Neopasites (Hymenoptera: Apoidea). 5646

Mosquito control and/or honey bees. 5769

APIS MELLIFERA
Experiments on the etiology of European foul brood of the honeybee. 5204

The pollination of runner beans (Phaseolus multiflorus) in a glasshouse. 5314

Effect of the age of pollen used in pollen supplements on their nutritive value for the honeybee. Ii. Effect of vitamin content of pollens. 5347

Effect of the age of pollen used in pollen supplements on their nutritive value for the honeybee. I. Effect on thoracic weight, development of hypopharyngeal glands, and brood rearing. 5348

Chlorinated hydrocarbon insecticide inhibition of cockroach and honey bee ATPases. 5414

Quantitative study of divergence in the morphological evolution of certain infraspecific entities in domestic honeybees (A. mellifera L.). 5448

The calcium sensitivity of ATPase activity of myofibrils and actomyosins from insect flight and leg muscles. 5456

Investigations into the honey bee's learning of spectral colors. 5466

Flight activity of honeybees in a flight and rearing room. II. The influence of constant and cycling temperatures. 5496

Substances that attract caged honeybee colonies to consume pollen supplements and substitutes. 5565

APOIDEA
The biology of Scrapter and its cuckoo bee, Pseudodichrda (Hymenoptera: Colletidae and Anthrophoridae). 5570

APPLES
Hard to kill pests of fruit trees - woolly apple-aphid. 5195

New strategy against the codling moth. 5520

Codling moth control with carbofuran. 5547

Pesticide application for fruit trees at the of winter and in the spring. 5820

A biochemical mechanism of natural resistance of apple to Venturia inaequalis. 5834

Granny Smith versus Jonathan. 5840

Black spots of apples: A warning service for fruit-growers. 5865

Apple scab, pecan scab, and the duration of leaf wetness. 5878

Effect of 6-azauracil against apple powdery mildew and apple scab. 5909

Perennial canker and bull's eye rot of apples. 6007

Suitability of several fungicides for treating soil infested with Phytophthora cactorum to prevent crown rot disease of apple trees. 6012

Influence of pre- and post-harvest treatments on bitter pit of Granny Smith apples in the Goulburn Valley. 6104

Rubbery wood disease becomes more extensive. 6121

Northern spy, Merton and Malling-Merton rootstocks susceptible to woolly aphid, Eriosoma lanigerum, in the Western Cape. 6180

Development of resistance to DDT by the apple maggot, Rhagoletis pomonella. 6214

The codling moth and its control. 6224

Essay on insecticidal treatments on the apple fruit fly, Rhagoletis pomonella (Walsh) in southwest Quebec. 6237

Guide lines for the testing of materials San-Jose scale insect (SJS). 6241

Effect of acar on bloom date of Richared apples. 7304

APRICOTS
Infection, recovery from infection and resistance of apricot trees to Verticillium albo-atrum. 6105

AQUATIC ANIMALS
Water pollution and agriculture. 7075

AQUATIC BIRDS
A new species of Dermanyssus from marine birds, with observations on its biology (Acarina: Dermanyssidae). 5113

Water management units and shore line modifications used in mosquito control investigations. 5768

AQUATIC INSECTS
Notes of larvae of aquatic Coleoptera in the Ethiopian region (Western and Equatorial Africa). 4999

Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. XLIV. Coleoptera Elminthidae. 5016

The infection of immature aquatic insects by larval Paragordius (Nematomorpha). 5167

The arthropod fauna of Sambhar Salt Lake, Rajasthan, india. 5203

Effects on aquatic insects of forest spraying with phosphamidon in New Brunswick. 5336

Effects of forest spraying with DDT on aquatic insects of salmon streams in New Brunswick. 5380

Resistance of Chaoborus Light. larvae to lack of food. 5607

The behaviour of Chaoborus Licht. larvae under unfavourable oxygen conditions. 5608

Apparent DDT tolerance i n an aquatic insect disproved by test. 5622

Life cycles of benthic insects in Lapland streams (Ephemeroptera, Plecoptera, Trichoptera, Diptera Simuliidae). 5653

Water management units and shore line modifications used in mosquito control investigations. 5768

AQUATIC PLANTS
1967 guide to chemical weed cont rol. 6385

AQUATIC WEEDS
Weeds. 6344
Alligatorweed found in Arkansas. 6384
Herbicidal treatment effect on carbohydrate levels of alligatorweed. 6397
Common aquatic weeds. 6398
These weeds mean trouble. 7042
Influence of simazine on apparent photosynthesis of aquatic plants and herbicide residue removal from water. 7305

ARANEAE
Anatea, an ant-mimicking Theridiid spider from New Caledonia (Araneae: Theridiidae). 5555

ARAUCARIA CUNNINGHAMI
The biology, ecology and control of Vanapa oberthuri Pouill. Coleoptera; Curculionidae in hoop pine Araucaria plantations in New Guinea. 6152

ARBOVIRUSES
Hughes virus from Trinidadian ticks and terns. 5188
A possible role of blood-sucking mosquitoes in spread of arbovirus infection in the area of the Zaisan Lake. 5747
Arbovirus-erythrocyte interaction. Adsorption, elution and neutralization of virus. 6589

ARCEUTHOBIUM
Dwarfmistletoe effects on ponderosa pine growth and trunk form. 5892
Ponderosa pine dwarf mistletoe in relation to topography and soils on the Manitou Experimental Forest, Colorado. 5955
Forest disease control in California; July 1, 1966 to June 30, 1967. aSB761.A3. 6117

ARCHIPS ARGYROSPILUS
Orangeworms in interior districts of Southern California. 6306

ARCTIIDAE
Studies on the antifeedant against the catterpillars of Pericallia ricini F. (Arctiidae) and Spodoptera littoralis Boesd. (Noctuidae: Lepidoptera) on castor (Ricinus communis L.). 6259

ARECA CATHECU
Pests and diseases of arecanut. 5841

ARGAS
Argas (Secretagas) transgaricpinus White, 1846, new tick for France and Algeria. 4995

ARGAS JAPONICUS
Argas (Argas) Japonicus, new species, associated with swallows in Japan and Korea (Ixodoidea, Argasidae). 5174
The occurrence of Argas japonicus and Ixodes lividus in Nagano Prefectur, Japan (Ixodoidea: Argasidae; Ixodidae). 5652

ARGAS PERSICUS
The role of Argas persicus in epizootic poultry cholera. 6893

ARGASIDAE
On the system of classification of ticks of the family Argasidae Can., 1890. 1. Two classifications of Argasidae. 5125
Argas (Argas) Japonicus, new species, associated with swallows in Japan and Korea (Ixodoidea, Argasidae). 5174
The occurrence of Argas japonicus and Ixodes lividus in Nagano Prefectur, Japan (Ixodoidea: Argasidae; Ixodidae). 5652
The role of Argas persicus in epizootic poultry cholera. 6893

ARGINASE
Arginine metabolism in germinating seeds of some members of the leguminosae. 7255

ARGININE
Arginine metabolism in germinating seeds of some members of the leguminosae. 7255

ARGYROTAENIA CITRANA
Orangeworms in interior districts of Southern California. 6306

ARMILLARIA MELLEA
The action of calcium cyanamide on the development of some basidiomycetes of wood. 5941
Butt rot in yellow-poplar seedling-sprout stands. 5947
Control of Armillaria mellea with systemic chemicals. 6018
Factors affecting the appearance of holly oaks in Southern California. 6160

ARSANILIC ACID
Experimental arsanilic acid poisoning in pigs. 7169

ARSENAMIDE
Chemotherapeutic agents. 6984

ARSENIC
Arsenic and low phosphate soils. 6360
Control of rodents. 7043

ARSENIC COMPOUNDS
Snails and slugs in Central California. 6413
Symptoms of intoxications by poisonous pesticides. (JPRS 46216) 7143
Effects of organic arsenical herbicides on cotton response and chemical residues. 7222

ARTHRITIS
Arthritis in chickens due to Staphylococcus aureus. 6680
Rheumatoid arthritis in a dog. 6695

ARTHROBACTER
2,4-D metabolism. Enzymatic hydroxylation of chlorinated phenols. 5784
2,4-D metabolism; enzymatic degradation of chlorocatechols. 5785

ARTHROPODA
A temperature-controlled feeding apparatus for hematophagous arthropods. 4975
Contribution to the arthropod fauna of the resins of large caves and the kyffhausers. III. Coleoptera. 5103
The arthropod fauna of Sambhar Salt Lake, Rajasthan, india. 5203
Shell products for animal health. 6423

ARTICHOKES
Distribution of labelled plant growth regulators within cells. 7321

ARTIFICIAL INSEMINATION
Artificial insemination of livestock in the South Pacific. 6434

ASCARIASIS
In vitro culture and hatching of Ascaridia galli eggs. 6924
Histochemical studies in chick ascaridiasis. 6925
Nebraska's specific pathogen-free (SPF) swine program; tenth year report. 7016

ASCARIDAE
Contribution to the problems of toxic action of Ascaridia galli on laboratory animals. 6917
A comparative analysis of the localization of cholinesterase activity in some parasitic nematodes. II. Ascaris suum, Parascaris equorum, Neoascaris vitulorum and Oxyuris equi. 7021

ASCARIDIA
Survival of ascarid eggs in soil under conditions of Moscow region. 6295
A method for studying motor reactions of ascarids. 7153

ASCARIDIA GALLI
Contribution to the problems of toxic action of Ascaridia galli on laboratory animals. 6917
In vitro culture and hatching of Ascaridia galli eggs. 6924
Coumaphos, a new anthelmintic for control of Capillaria obsignata, Heterakis gallinarum, and Ascaridia galli in chickens. 6940

ASCARIS
Study indicates most dairy cattle have worms. 6913
Study of blood serum of parasitized animals. I. Electrophoresis. 6966
Nebraska's specific pathogen-free (SPF) swine program; tenth year report. 7016

ASCARIS LUMBRICOIDES
Cytochrome c oxidase in migrating larvae of Ascaris lumbricoides var. suum. 7014

ASCARIS LUMBRICOIDES SUUM
The biochemical mechanism of action of the anthelmintic drug tetramisole. 6918
Worm control in swine. 6942
Adenosinetriphosphatase activity in muscle tissue mitochondria of swine ascarid (Ascaris suum, Goeze, 1758). 6990

ASCLEPIAS
Heart poisons in the monarch butterfly. 5554

ASCOCHYTA
Occurence and host range of Ascochyta phaseolorum in Queensland. 5862
Biology of Ascochyta species parasitic on pea plants. 6023

ASCOCHYTA PINODES
Biology of Ascochyta species parasitic on pea plants. 6023

ASCOCHYTA PISI
Biology of Ascochyta species parasitic on pea plants. 6023

ASILIDAE
Taxonomic notes on the larvae of British Diptera. No. 26. the presumes larva of Dioctria oelandica (Linnaeus) (Asilidae).
5005

Diptera larvae in soil treated with organic and mineral fertilizers. (I). Family Asilidae-Diptera-Brachycera.
5541

ASILUS
Diptera larvae in soil treated with organic and mineral fertilizers. (I). Family Asilidae-Diptera-Brachycera.
5541

ASPERGILLOSIS
Aspergillosis in Japanese quail.
6749

ASPERGILLUS
Relationship of aflatoxin to epizootics of toxic hepatitis among animals in southern United States.
6870

Comparative susceptibility of Aspergillus towards various fungicides and antiseptics.
7226

Microbial degradation of five substituted urea herbicides.
7276

ASPERGILLUS CANDIDUS
Reduction in aflatoxin contamination of rice by milling procedures.
7200

ASPERGILLUS FLAVUS
Occurrence of antimicrobial substance in the exudate of physogastric queen termite Termes repemanni Wasmann.
5582

Are sick plants dangerous.
5943

Peanut pod invasion by fungi in the presence of lesion nematodes in Georgia.
5974

Aspergillus flavus meningo-encephalitis in chickens and geese.
6476

Biochemistry of aflatoxins.
6846

Reduction in aflatoxin contamination of rice by milling procedures.
7200

Retardation of the elaboration of aflatoxin in cottonseed by impermeability of the seedcoats.
7268

The differential interaction of aflatoxins B1,G1 and G2 with deoxyribonucleic acids from different sources.
7291

3-hydroxy-6,7-dimethoxydifuroxanthone - a new metabolite from Aspergillus flavus.
7383

ASPERGILLUS FUMIGATUS
Four cases of systemic mycosis in cervids.
6577

Experimental studies on bovine mycotic placentitis.
6627

Aspergillosis in Japanese quail.
6749

ASPERGILLUS GLAUCUS
Reduction in aflatoxin contamination of rice by milling procedures.
7200

ASPERGILLUS ORYZAE
Effect of the low temperature treatment of the wet culture Aspergillus oryzae 8F1 and germinated seed on the increase of the fermentation activity.
5848

Are sick plants dangerous.
5943

Effect of the composition of the nutrient medium on the amylase localization in Aspergillus oryzae.
7242

ASPERGILLUS PARASITICUS
Bionomics of Drosicha mangiferae (Green) on citrus including new record of its three natural enemies.
6246

Reduction in aflatoxin contamination of rice by milling procedures.
7200

ASPERMY
Studies on the viruses of plants in Compositae in Japan. I. Tomato aspermy virus from chrysanthemum.
5972

ASPIDIOTUS PERNICIOSUS
San Jose scale (Quadraspidiotus perniciosus).
6199

Guide lines for the testing of materials San-Jose scale insect (SJS).
6241

ASSAY
Gas-liquid chromatography analysis of DDT metabolism in Aedes aegypti.
5370

Potato spindle tuber virus: A plant virus with properties of a free nucleic acid. I. Assay, extraction, and concentration. II. Characterization and partial purification.
6051

ASTER YELLOWS
The susceptibility of cereals and wild oats to an isolate of the aster yellows pathogen.
6128

Virus diseases of celeriac and carrots in Europe.
6133

Mycoplasma-like bodies in the salivary glands of insect vectors carrying the aster yellows agent.
6191

ASTRAGALUS
Milk-vetch dwarf virus.
5963

Locoweed poisoning.
6581

ATHEROGENESIS
Histologic features of atherogenesis and aortic rupture in turkeys.
6684

ATRAZINE
Herbicide action on Fusarium graminearum Schw.
5831

Weeds that make a comeback.
6315

Wetting agents, oils: Are they a plus for atrazine .
6322

Weed control in corn.
6333

Application of herbicides in pulse crops.
6339

Herbicide versus cultivation for corn with two methods of seedbed preparation.
6343

Chemical weed control in tropical root crops.
6352

Selective control of hoary alyssum in alfalfa.
6355

Soil factors contributing to atrazine carryover.
7084

The influence of some electrolytes on the adsorption and release of symmetrical triazines on some organic colloids.
7104

The effect of herbicide residue in the soil on the yield of winter wheat.
7123

Influence of atrazine and varied carbon and nitrogen amendments on growth of Sclerotium rolfsii and Trichoderma viride in soil.
7236

Effect of the triazine herbicides simazine and atrazine upon young plum trees.
7260

Effects of selected herbicides upon growth of soil algae.
7265

The effect of the dose and method of using herbicide A-1802 and cultivation measures on weediness and yield of corn.
7269

The effect of herbicides and cultivation measures on the yield of corn.
7271

The influence of increasing doses of simazine upon the rate of root and green parts growth of winter wheat.
7306

ATROPHIC RHINITIS
Contribution to atrophic rhinitis in pigs.
6803

ATTA TEXANA
Baits for the control of leaf-cutting ants. I. Formulation.
6166

ATTRACTANTS
Western pine beetle: Field response to its sex pheromone and a synergistic host terpene, myrcene.
5217

Insect venoms, attractants, and repellents. XI. Massoilactone from two species of formicine ants, and some observations on constituents of the bark oil of Cryptocarya massoia.
5257

Biologically active compounds in orchid fragrances.
5290

Pyridine composition and method for attracting insects. patent 3,325,355.
5330

Contribution to the physiology of the guest-host-relations (myrmecophily) in ants. I. The relation between the myrmecophilic Atemeles- and Lomechusa-larvae and Formica.
5369

Observations on various treatments applied in Lebanon in 1966 against Ceratitis capitata Wied.
5392

Host preferences and discrimination by the mosquitoes Aedes aegypti and Culex tarsalis (Diptera: Culicidae).
5461

Preliminary note on a chemical attractant for the grass grub beetle (Costelytra zealandica (White)) from the flowers of elder (Sambucus nigra L.).
5508

Substances that attract caged honeybee colonies to consume pollen supplements and substitutes.
5565

On the photopositive responses of some insects towards monochromatic lights.
5691

Attractants and attractant traps for eye gnats Hippelates pusio.
5770

2,3- Pentanedione as an attractant for Hippelates (Diptera: Chloropidae).
5771

Baits for the control of leaf-cutting ants. I. Formulation.
6166

Gypsy moth (Ocneria dispar) control in the roadside plantations. Transl. 17032.
6209

Feeding of Aulacophora foveicollis on cucurbitacin.
6253

AULACIDEA
Cynipinae (Hymenoptera) occurring on Phlomis L.
5128

AULACORTHUM
A new species of Aulacorthum Mordvilko (Homoptera, Aphididae) from Japan.
5065

AUSTRALIAN REGION
A contribution to the systematics of Oriental and Australian Blissinae (Hemiptera: Lygaeidae).
5144

AUTOPSIES
Review of the most important causes of death and disease of dogs over a period of 15 years. 6448
Some observations on Marek's disease (fowl paralysis). 6595
Remarks on the receptivity of new born lambs towards the foot-and-mouth disease virus. 6649
Blood parasites found in imported birds at post-mortem examination. 6987
Some observations on the effects of using organochlorine sprays in an orchard. 7098
The management of cases of suspected poisoning. 7173

AUTORADIOGRAPHY
The localization of spermidine in salivary gland cells of Drosophila melanogaster and its effect on H-3-uridine incorporation. 5288
An autoradiographic and immunofluorescent study of the infectious cycle of sheeppox virus in cell cultures exposed to 5-fluorodeoxyuridine. 6855

AVENA
Auxin and wall extensibility: Reversibility of auxin-induced wall-loosening process. 7233

AVENA FATUA
Weeds in barley and their control. 6381

AVENA STERILIS
Resistance of genes isolated from Avena sterilis to isolates of oat crown rust prevalent in Canada in 1968. 5928

AVIAN ENCEPHALOMYELITIS
Studies on avian encephalomyelitis. IV. Early incidence and longevity of histopathologic lesions in chickens. 6506
Encephalitis field surveillance in Orleans Parish. 6903

AVIAN LEUKOSIS COMPLEX
The use of an avian polyvalent vaccine in central Africa. 6780

AVIAN LEUKOSIS COMPLEX VIRUSES
Sites of avian leukosis virus multiplication in congenitally infected chickens. 6556
Genetic resistance to leukosis caused by the JM virus in the fowl. 6612
Avian leukosis-sarcoma viruses and antibody in field flocks, and their relationship to leukosis mortality. 6784

AVIAN LYMPHOMATOSIS
Studies on acute Marek's disease. VIII. The role of mosquitoes in transmission under experimental conditions. 6498
Some observations on Marek's disease (fowl paralysis). 6595
Genetic resistance to leukosis caused by the JM virus in the fowl. 6612
Early changes in bursa of Fabricius from Marek's disease. 6642
Transmission of classical Marek's disease by affected and carrier birds. 6666
Control of Marek's disease by the use of inoculated chicken embryo fibroblasts. 6677
Marek's disease: A review. 6678
Avian leukosis-sarcoma viruses and antibody in field flocks, and their relationship to leukosis mortality. 6784
Herpesvirus in Marek's disease tumors. 6800
Egg transmission studies of Type II leukosis infection (Marek's disease). 6809
Cell culture techniques for primary isolation of Marek's disease-associated herpesvirus. 6872
Evidence for a herpesvirus as an etiologic agent of Marek's disease. 6873

AVIAN MYELOBLASTOSIS VIRUS
Transformation of chick fibroblast cultures with avian myeloblastosis virus. 6731

AVIAN POXVIRUSES
A new fowl pox vaccine. 6467

AVITAMINOSIS
Requirement of turkey poults for biotin and effect of deficiency of incidence of leg weakness in developing turkeys. 6648

AVOCADOS
Iron chlorosis in relation to irrigation practices. 6123
Identifying manganese deficiency in avocado trees. 6124
Recent advances in perennial grass control in avocado orchards. 6350
On the mechanism of chloride toxicity. 7243
Cost to develop an avocado orchard in San Diego County. 7411
Costs to produce avocados in Ventura County. 7413
Cost to establish an avocado orchard in Ventura County. 7414

AZINPHOSMETHYL
Effects of reroductive-diapause boll weevil (Heliothis zea Boddie) insecticidal control programs on the abundance of bollworms and tobacco budworms (Heliothis virescens F.) in cotton in the rolling plains of Texas, 1967. 5236
New strategy against the codling moth. 5520
The oriental fruit moth and its control. 6223
The codling moth and its control. 6224
Capsid bugs on fruit. 6225
All we know about pink bollworms. 6271
Snails and slugs in Central California. 6413

AZO COMPOUNDS
Formation of symmetrical azo derivatives of monochlorotoluidines by peroxidatic catalysis. 7259

AZULENE
The effect of trace elements on the yield and quality of camomile flowers and peppermint leaves. 7282

BABESIA
Ixodes ricinus borne parasites of cattle in the Netherlands. 6210
The incidence of clinical babesiosis in cattle in Queensland. 6651
Identification of a piroplasme found with sufficient frequency in our cattle. 6790

BABESIA ARGENTINA
A note on homologous strain immunity in Babesia argentina infections. 6509
The incidence of clinical babesiosis in cattle in Queensland. 6651

BABY PIGS
Investigations on the viruses of the Orphan type occurring in pigs in Poland. IV. Haematological findings in piglets artificially infected with virus L1. 6500
Results of hemoglobin determination in piglets in the framework of herd diagnosis of piglet anemia. 6540
Investigation on the viruses of the Orphan type occuring in pigs in Poland. III. Pathogenic properties of virus L1. 6645
The detection of the ECPO virus antigen in tissue culture with the aid of fluorescent antibodies. 6681
A hemolytic neonatal disease in swine associated with blood group incompatibility. 6722
Coli dysentery (colibacillosis) of suckling pigs. 6807
Experimental salmonellosis in swine and its clinical-hematological characteristics. 6825
Detection of pseudorabies virus by immunofluorescence. 6833
TGE prevention your goal. 6845
Investigations on the viruses of the Orphan type occurring in pigs in Polannd. V. Histopaphological changes in the central nervous system of piglets infected with virus L1. 6885

BACILLUS
Abortion in sheep and cattle associated with Bacillus spp. 6708

BACILLUS ANTHRACIS
On the bacterial effect of ionizing irradiation on certain microorganisms. Second communication. A study of the bactericidal effect of gamma rays on certain bacteria and the spores of Bac. anthracis. 6425
Electronmicroscopic, cytochemical and immunochemical study of B. anthracis and B. cereus. 6477
In vivo growth and distribution of anthrax bacilli in resistant, susceptible, and immunized hosts. 6653
On the employment of egg yolk in immunofluorescent diagnosis of anthrax. 6682
Temperature response in animals infected with Bacillus anthracis. 6860
Purification and properties of in vitro--produced anthrax toxin components. 7162

BACILLUS CEREUS
Susceptibility of insects to entobacterin. 5440
Influence of temperature on the rate of development of six varieties of the Bacillus cereus group. 5615
Electronmicroscopic, cytochemical and immunochemical study of B. anthracis and B. cereus. 6477
Investigations concerning the microflora of isterband, a Swedish fermented type of sausage. 7062

BACILLUS FRIBOURGENSIS
Morphology and chemistry of the parasporal body of Bacillus fribourgensis. 5450

BACILLUS MEGATERIUM

Note on a microbiological assay for aflatoxin B,: A rapid confirmatory test by effects on growth of Bacillus megaterium.
7052

Rapid confirmatory test for aflatoxin B, using Bacillus megaterium.
7053

BACILLUS POPILLIAE

Incidence of Bacillus popilliae (Dutky) in Costelytra zealandica (White) larva.
5406

Comparisons of cells, refractile bodies, and spores off Bacillus popilliae.
5477

BACILLUS THURINGIENSIS

The toxic action of Bacillus thuringiensis exotoxin on Drosophila reared in yeast-containing and yeast-free media.
5221

Contribution to the studies of the activity spectra of the strains of Bacillus thuringiensis Berliner.
5244

The standardization of products based on Bacillus thuringiensis.
5245

Growth, sporulation and germination of spores of Bacillus thuringiensis var. thuringiensis Berliner.
5293

A bioassay to characterize strains and preparations of Bacillus thuringiensis Berliner.
5451

Exudates of germinating spores of Bacillus thuringiensis.
5502

The classification of strains of Bacillus thuringiensis on the basis of the antigenic patterns of the toxic protein inclusions.
5521

On the use of Bacillus thuringiensis-insecticide combinations to control insect pests.
5537

Utilization of Bacillus thuringiensis in the control of Porthetria dispar in Spain.
5575

Inhibition of DNA-DEPENDENT RNA polymerase by the exotoxin of Bacillus thuringiensis var. gelechiae.
5597

Alteration of some properties of Bacillus thuringiensis by means of passages through the insects and cultivation on nutrient media.
5605

Influence of temperature on the rate of development of six varieties of the Bacillus cereus group.
5615

Basic functions in Bacillus thuringiensis affecting its mode of pathogensis.
5636

Observations on the use of a preparation of Bacillus thuringiensis var. thuringiensis Berliner, for the control of the olive moth (Prays oleae Bern.).
5686

The use of microbiological preparations in plant protection based on entomopathological bacteria Bacillus thuringiensis.
5801

The use of entomopathogenic microorganisms in agriculture: Actual and prospective potentialities offered by Bacillus thuringiensis Berliner.
6217

Control of the corn earworm on sweet corn in Eastern Nebraska.
6256

Mesosomes in m-tyrosine-inhibited Bacillus thuringiensis.
6474

Crystalline inclusions in Bacillus thurinciensis.
6747

BACTERIA

Experiments on the etiology of European foul brood of the honeybee.
5204

The standardization of products based on Bacillus thuringiensis.
5245

Sex-Determination.
5273

Serological identification.
5280

Inci dence of Bacillus popilliae (Dutky) in Costelytra zealandica (White) larva.
5406

Contribution to the study of higher termite digestion.
5417

Comparison of the structure of symbiotic bacteria in various sap sucking insects.
5433

Suitability of pathogens for biological control.
5452

The nematodes DD-136 (Neoaplectana sp.) and Neoaplectana carpocapsae Weiser, 1955 (Rhabditoidea) as insect parasites. A literature review.
5499

The classification of strains of Bacillus thuringiensis on the basis of the antigenic patterns of the toxic protein inclusions.
5521

Use of bioassay in plant protection.
5677

2,4-D metabolism. Enzymatic hydroxylation of chlorinated phenols.
5784

2,4-D metabolism; enzymatic degradation of chlorocatechols.
5785

Pesticidal use of benzothiophenes and benzothienothiophenes. Patent 3,433,874.
5792

Conversion of DDT to DDD in soil and the effect of these compounds on soil microorganisms.
5809

A microbiological control of Melampsora medusae.
6011

Combating bacterial and fungal plant diseases with hexachlorophene(2,2'-methylene bis-(3,4,6-trichlorophenol). Patent 3,420,936.
6134

The bacterial population of an indoor poultry lagoon.
6416

Studies on the method of experimental infection of Vibrio parahaemolyticus. I. Infection of Vibrio parahaemolyticus into intestinal segments of rabbits. II. Influence of chemotherapeutic agents on intestinal segments of rabbit infected with Vibrio parahaemolyticus.
6617

Preliminary results in a study of natural foci of tularemia in the Sisak-Gusce-Popavaca region of Croatia. (JPRS 44,159).
6623

Catabolite repression in Escherichia coli. A study of tow hypotheses.
6732

Effects of Salmonella senftenberg injection on chicks hatched from eggs in treatment of testosterone propionate.
6736

Anti-microbial drugs in animal feeds.
6821

Isolation of Arizona 7:1,7,8 from litter of pens housing infected turkeys.
6824

Effect of differences in ambient temperature upon the fate of Pasteurella pestis in Xenopsylla cheopis.
6894

Histochemical and bacteriological studies on digestion in nine species of leeches (Annelida: Hirudinea).
6958

Interaction of salt, pH, and temperature on the growth and survival of Salmonellae in ground pork.
7047

The pigmented coliforms of dehydrated food.
7051

Investigations into the source of bacterial contamination of pork. II. In steaming.
7054

Low temperature growth of type E Clostridium botulinum spores. 1. Effects of sodium chloride, sodium nitrite and pH. 2. Effects of solutes and incubation temperature.
7055

Heat resistance of Salmonella in various egg products.
7057

Gas chromatographic analysis of head-space vapors to identify micro-organisms in foods.
7058

Production of enterotoxin-B in cured meats. genigeorgis, c.
7063

Dry milk equipment design and its relation to the salmonella problem.
7065

Causes of can swelling and blackening of canned baby clams. 3. Bacteriology and chemistry of sea-bottom mud involved in can spoilage.
7069

Pesticide levels and fluctuation in soil bacteria in an irrigated field and a pond of southwest Texas.
7137

Effect of DDT, dieldrin and heptachlor on the growth of selected bacteria. (Abstract).
7235

Conversion of DDT to DDD by pathogenic and saprophytic bacteria associated with plants.
7254

On the repair of the damages induced by N-methyl-N'-nitro-N-nitrosoguanidine in the bacterial DNA.
7373

Aspects of the industrial production of microbial insect control agents.
7404

BACTERIAL BLIGHT

Screening rice varieties for resistance to bacterial blight.
6093

BACTERIAL CANKER

Additional sources of resistance to bacterial canker of tomato (Corynebacterium michiganense).
6109

BACTERIAL DISEASES (ANIMALS)

The natural occurrence of canine L. icterohaemorrhage infection. A survey during ten years (October 1957-September 1967).
6463

Serological survey on the incidence of bovine leptospirosis in the province of Belluno.
6464

Enzootic abortion and sterility from bovine leptospirosis in the Po valley.
6488

Leptospira icterohaemorrhagic natural infection in the dog. I. Determination of activities of serum enzymes.
6504

Experimental leptospirosis. III. Leptospirosis in dogs. Experimental reproduction of the sickness.
6508

A Brucella ovis antigen for the skin test of ovine genital brucellosis.
6515

Methods of serological diagnosis in caprine Brucellosis. A comparative study.
6516

Toxoplasma gondii: Fecal forms separated from eggs of the nematode Toxocara cati.
6582

Brucella ovis infection. 2. The infection status in breeding flocks as measured by examination of rams and the perinatal lamb mortality.
6618

Serological examination for evidence of brucellosis and leptospirosis in beef herds in New South Wales.
6633

Localization of P32 labeled Mycobacterium tuberculosis in fowl organisms. 6636

Gangrenous mastitis in ewes. II. Characteristics of the staphylococci, isolated from healthy ewes and from ewes affected with gangrenous mastitis. 6675

On pyroplasmodias in sheep and goats. II. Research into anaplasmosis. 6686

The control of contagious abortion. 6702

Electron microscopy study of the localization of antigens in a virulent and an avirulent strain of Francisella tularensis, using mercury-labelled antibodies. 6719

Salmonellosis in sheep. I. Production of a complex antigen and some of its chemical and serological features. 6725

Incidence of udder infections arising at various stages of lactation of cows. 6734

Beware of brucellosis. 6761

Identification of enterococci in chicken livers. 6762

Salmonella typhimurium infection in dairy cows. 6763

Identification of a piroplasme found with sufficient frequency in our cattle. 6790

Coli dysentery (colibacillosis) of suckling pigs. 6807

Toxoplasma gondii: Transmission through feces in absence of Toxocara cati eggs. 6811

Experimental salmonellosis in swine and its clinical-hematological characteristics. 6825

The control and treatment of posthitis. 6829

The role of Escherichia coli in gastroenteritis in newly-born calves in the District of Tolbuhin. 6832

The canine leptospiroses. 6848

Action of bacterial endotoxins on the blood circulation system with consideration of the relations to enterotoxemia (edema disease) of the swine. 6859

Table of human infections. In: Diseases of man acquired from his pets. 7146

Amprolium as a coccidiostat for Angora goats. 7184

Increase in resistance to antibiotics in mastitis agents. 7213

BACTERIAL DISEASES (INSECTS)

Contribution to the studies of the activity spectra of the strains of Bacillus thuringiensis Berliner. 5244

Decrease in immunity of insects under the influence of bacterial infection transmitted by hymenopterous parasites. 5385

A bioassay to characterize strains and preparations of Bacillus thuringiensis Berliner. 5451

The use of radioactivity for the assessment of dose in bioassays involving bacterial insect pathogens. 5566

Alteration of some properties of Bacillus thuringiensis by means of passages through the insects and cultivation on nutrient media. 5605

An infection of Streptococcus faecalis Andrewes et Horder in the pine looper moth, Bupalus piniarius L. (Lepidoptera, Geometridae). 5654

BACTERIAL DISEASES (PLANTS)

Encyclopedia of phyto-sanitary treatments of grapes in Champagne. 5795

Bibliography of soybean diseases. 5888

Bacterial blight disease of Cynodon dactylon pers.. 5912

Isolation and purification of mycoplasm-type microorganisms after the grapes attain a yellowish gild. 5945

Chemical control of bean bacterial diseases in Wisconsin. 5951

Relationships of the clover root curculio, Fusarium wilt, and bacterial wilt in alfalfa. 5961

Preliminary observations placed in evidence that phages of Agrobacterium tumefaciens are responsible for Crown-Gall. 5966

Alfalfa diseases. 5977

A new disease of bananas in the Cauca Valley: a bacteriosis. 5999

Selection of parents and crosses suitable for use in breeding for resistance to scab. 6038

Controlling diseases of oilseed crops. 6046

Diseases of fruits and vegetables. 6050

Screening rice varieties for resistance to bacterial blight. 6093

Additional sources of resistance to bacterial canker of tomato (Corynebacterium michiganense). 6109

Transfer of Coriandrum sativum L. inflorescence blight through seeds and the influence of seed treatment upon this disease. 6116

Leafspot of gardenia. 6126

Cucurbit diseases, an aid to identification and control. 6135

Vegetable diseases, II. An aid to identification and control. 6136

Insects and diseases of vegetables in the home garden. 6242

Nitrogen increases bell pepper susceptibility to bacterial soft rot. 7309

BACTERIAL SOFT ROT

Nitrogen increases bell pepper susceptibility to bacterial soft rot. 7309

BACTERIAL WILT

Relationships of the clover root curculio, Fusarium wilt, and bacterial wilt in alfalfa. 5961

BACTERICIDES

Chemical control of bean bacterial diseases in Wisconsin. 5951

Morphological transformations and lysis of Halobacterium salinarium by 4-(2,4-dichlorophenoxy)butyric acid and related compounds. 6377

Effect of thiabendazole on ovine posthitis. 6827

On the use of TEGO 51 in animal food industries--toxicity and bactericidal properties. 7067

Bromination process. Patent 3,450,757. 7334

Bromination process of salicylanilide. Patent 3,450,756. 7355

Anticoccidial composition containing 6,7-disubstitutedquinoline - 3-carboxylates. Patent 3,448,193. 7364

N-benzoyloxymethyl benzamides and their preparation. Patent 3,439,019. 7369

Dimethyl fluoride-substituted methylene bisphenol germicides and fungicides. Patent 3,341,343. 7376

Process for destroying microorganisms in agriculture. Patent 3,444,301. 7380

We lose 06 million a year through damage to hides - are you at fault. 7415

BACTERINS

Susceptibility of insects to entobacterin. 5440

BACTERIOLOGY

Bacterial blight disease of Cynodon dactylon pers.. 5912

On the bacterial effect of ionizing irradiation on certain microorganisms. Second communication. A study of the bactericidal effect of gamma rays on certain bacteria and the spores of Bac. anthracis. 6425

Use of ampicillin instead of streptomycin in Salmonella-infected mouse peritoneal macrophage cultures. 6605

Cultural characters and serological relationships of some mycoplasmas isolated from bovine sources. 6641

Gangrenous mastitis in ewes. II. Characteristics of the staphylococci, isolated from healthy ewes and from ewes affected with gangrenous mastitis. 6675

Electronmicroscopical aspects of Mycoplasma agalactiae. 6764

Comparison of two procedures for detection of Salmonella in food, feed, and pharmaceutical products. 7056

Accelerated procedure for Salmonella detection in dried foods and feeds involving only broth cultures and serological reactions. 7068

Contribution to the study of antibiotic substances in meats. 7141

BACTERIOPHAGES

Preliminary observations placed in evidence that phages of Agrobacterium tumefaciens are responsible for Crown-Gall. 5966

Crystalline inclusions in Bacillus thurineiensis. 6747

BACTERIOSTATS

The incidence of drug resistant strains of Eimeria in chickens in Great Britain, 1966. 6629

BADGERS

Studies on the effectiveness of fox den fumigation for rabies control in the district of Wolgast. 6696

BAETIDAE

The infection of immature aquatic insects by larval Paragordius (Nematomorpha). 5167

BAGS

Inflated plastic bags as cages for insects on potted plants. 5212

BAITS

A carbon dioxide bait trap for collecting ticks and fleas from animal burrows. 4972

A falling cage for sampling tsetse flies (Glossina; Diptera). 4974

Tobacco insect control. 5315

The leatherjacket risk grows. 5447

Attractants and attractant traps for eye gnats Hippelates pusio. 5770

Baits for the control of leaf-cutting ants. I. Formulation. 6166

Practical organization of field mice control. 6403

A new method of rat control in coconuts. 6412

Snails and slugs in Central California. 6413

BAKING

Salmonella control programs: Baking industry. 7049

BALANCE OF NATURE

Pest control by the biological method. 5523

Agricultural pesticides and their detractors. 7080

Birds and agriculture. 7134

BALIOCHILA SINGULARIS

A seasonal form of Baliochila singularis Stempffer and Bennett from Southern Rhodesia (Lepidoptera: Lycaenidae). 5220

BANANAS

The Cosmopolites banana weevils (Coleoptera: Curculionidae: Rhynchophorinae). 5177

Contribution to the knowledge of the Cosmopolites sordidus (Germar)(Coleoptera, Curculionidae). (2). 5216

A technique for maintenance and rearing of Odoiporus longicollis. 5424

New developments in the treatment of bananas before packing. 5902

A new disease of bananas in the Cauca Valley: a bacteriosis. 5999

The banana beetle can be checked. 6244

Control of eelworm diseases of bananas in Western Australia. 6291

Tropical nematology. 6305

Process for destroying microorganisms in agriculture. Patent 3,444,301. 7380

News on economics. 7408

BARLEY

A model of the plant-to-plant movement of aphids. II. Estimation of parameters and the application. 5602

Saprophytic survival of Ophiobolus graminis on various hosts. 5889

A study of factors influencing the genetics of reaction of barley to root rot caused by Helminthosporium sativum. 5896

The possibility of estimating loose smut in a seed lot of barley with regard to the increase from one generation to the next. 5934

Experiments on the control of cereal smuts with a derivative of 1,4-oxathiin. 5987

Results from a three-year test with the anaerobic method in barley seed disinfection from Ustilago nuda (Pers.) Kell. et sw. 6019

Barley diseases in Western Australia. 6078

Effects of growth regulators on ear density mutants in barley. 6095

Investigations on yellow rust in wheat and barley, 1962-1965. 6096

Studies on resistance to yellow mosaic in barley. II. Comparison of varietal reactions to the viruses of different sources and relation between disease symptom and damage. 6103

Insect pests of barley and their cont rol. 6231

Soil nematode fauna occuring in the Jadwisin fields near Warsaw and the effect of environmental conditions on them. 6296

Weeds in barley and their control. 6381

Radiobiological damage: A new class identified in barley seeds stored after irradiation. 7022

Effect of the moisture content and post-irradiation temperature on the radiosensitivity of wheat and barley seeds. 7239

Recovery from gamma radiation injury in barley seeds. 7256

Cytogenic activity of the herbicides-simazine and maleic acid hydrazide. 7302

The mutagenic effect by the action of herbicides on barley. 7303

BAROMETRIC PRESSURE

The effect of barometric pressure and other factors on eclosion of the cabbage butterfly Pieris rapae (Pieridae). 5416

BASAL ROT

Investigation of means for the chemical control of basal rot (Phytophthora capsici Leon.) of pepper. 6010

BASIDIOMYCETES

The action of calcium cyanamide on the development of some basidiomycetes of wood. 5941

BATHYPLECTES CURCULIONIS

Grow alfalfa in spite of the weevil. 6277

BATS

Ixodes (Lepidixodes) kopsteini Oudemans, 1925, valid name for I. (L.) paradoxus Kohls and Clifford, 1961, with notes on distribution and hosts (Acarina: Ixodidae). 5083

Species of Borrelia from a Columbian bat. (Natalus tumidirostris). 5762

Infectious disease review: newer concepts of rabies. 6563

Experimental infection of the bat Myotis myotis Borkhausen with the Tahyna virus. 6674

BATYLE

A new species of Batyle from Utah (Coleoptera: Cerambycidae). 5082

BAYER 9015

Investigation of the effect of preparation Bayer 9015-12.50W.G. on adult Fasciola hepatica in sheep. 6922

BEANS

The occurrence of coupea mosaic virus in the state of Sao Paulo. 5885

Possibilities for inter- and intracellular translocation of some icosahedral plant viruses. 5906

Mobilization factors in uredospores and bean leaves infected with bean rust fungus. 5908

Chemical control of bean bacterial diseases in Wisconsin. 5951

Field and greenhouse studies on the effects of plant amendments on Rhizoctonia hypocotyl rot of snapbean. 6008

Scientists find the cause of the bean wilt disease. 6147

Translocation of labeled assimilates into and out of bean leaves as affected by 2,4-D and benzyl adenine. 7262

On the mechanism of gibberellin-auxin interaction. IV. Effect of gibberellin treatment on the oxidative destruction of indoleacetic acid in bean hypocotyl tissues. 7310

BEAUVERIA

Are sick plants dangerous. 5943

BEAUVERIA BASSIANA

The mass production of Beauveria bassiana. 5538

BEAUVERIA TENELLA

The possibilities of the microbiological control of Melolontha melolontha L. by means of the mycosis caused by Beauveria tenella (Delacr.) Siemaszko. 5304

BEDDING (LIVESTOCK)

On the permanent bedding of chicken. Some technical and hygienic-sanitary questions. 6414

A histologic study of medullary bone of laying hens under different diet and housing conditions. 6789

Dynamics of Salmonella infection in chicks reared on litter. 6823

Isolation of Arizona 7:1,7,8 from litter of pens housing infected turkeys. 6824

Evaluation of several methods of isolating salmonellae from poultry litter and animal feedstuffs. 6836

The significance of deep litter for prophylaxis of chicken coccidiosis. 6842

Helminthological evaluation of deep litter in poultry houses. 6986

BEEF

Salmonella in meat imported from South American countries. 7064

BEEF CATTLE

Serological examination for evidence of brucellosis and leptospirosis in beef herds in New South Wales. 6633

Salt marsh mosquito control in relation to beef cattle production: A preliminary report. 6904

Epidemiology of helminth infestation of beef cattle in central Queensland. 7019

BEES

Bees of the Nevada Test Site. 4986

A new species of Tribolium from North America previously confused with Tribolium madens (Charp.) (Coleoptera: Tenebrionidae). 5055

Insect answers; insecticide toxicity to alfalfa-pollinating bees. 5394

BEETS

Relation of beet yellows virus to the phloem and to movement in the sieve tube. 5923

Italian beet culture. The diseases: Fungi and viruses. 5926

Italian beet culture. The protection against insect pests. 6233

The principle insect pests of beets and the means of their control in turkey. 6234

New insecticides against pests of rape and beets. 6248

Determination of residual bHC and lindane quantities in the soil and plants and investigations on their toxicity. 7091

BEHAVIORISM

Observations of defence reactions to oestrid flies by semidomestic forest reindeer (Rangifer tarandus L.) in Swedish Lapland. 6891

The murids in the vicinity of Lake Kivu and neighboring regions (Central Africa) and their ecology. 7045

BENEFICIAL BIRDS

On the agricultural importance of the rook (Corvus frugilegus L.). 6435

BENEFICIAL INSECTS

Some notes on the rearing of useful insects. 5556

Rational pesticide application. 5614

Aphidofauna of honey plants as a source of subsidiary hosts of aphidiid wasps (Hymenoptera, Aphidiidae). 5628

Use of some host insects to increase trichogram effectiveness. 5692

Insects and diseases of vegetables in the home garden. 6242

BENOMYL

A systemic fungicide effective against sour orange scab disease. 5957

BENZENE

Investigations into the source of bacterial contamination of pork. II. In steaming. 7054

Microbial degradation of aromatic compounds. 7346

BENZENE HEXACHLORIDE

The leatherjacket risk grows. 5447

Genetical linkage relationships of DDT-RESISTANCE and dieldrin-resistance in Culex pipiens fatigans Wiedemann. 5741

Field studies on the chemical control of the stem borer Chilo partellus on hybrid sorghum in India. 6143

Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen. 6150

Insect pests of pulse crops. 6157

Termites need no longer threaten groundnut in Nimar. 6202

The principle insect pests of beets and the means of their control in turkey. 6234

Countering the castor semi-looper. 6236

Delhi farmers need not be afraid of mustard aphid. 6239

The banana beetle can be checked. 6244

Brinjal leaf roller. 6255

Saving stored rice from attacks of insect pests. 7037

Determination of residual bHC and lindane quantities in the soil and plants and investigations on their toxicity. 7091

Toxicities of two insecticides to young coho salmon. 7210

Microscopic identification of some chlorinated hydrocarbon insecticides on different subst rata. 7381

Many problems in teaching pest control to Indonesians. 7418

BENZOIC ACID

Penetration of chlorinated phenoxyacetic and benzoic acids into leaves. 7289

BENZOTHIENOTHIOPHENES

Pesticidal use of benzothiophenes and benzothienothiophenes. Patent 3,433,874. 5792

BENZOTHIOPHENES

Pesticidal use of benzothiophenes and benzothienothiophenes. Patent 3,433,874. 5792

BENZOYLOXYMETHYL BENZAMIDES, N

N-benzoyloxymethyl benzamides and their preparation. Patent 3,439,019. 7369

BENZYLADENINE

Translocation of labeled assimilates into and out of bean leaves as affected by 2,4-D and benzyl adenine. 7262

BENZYLIDENE O,O-DIMETHYL PHOSPHORODITHIOATE, S

Laboratory tests of five new insecticides as protectants for stored rough rice. (abstract). 7031

BERTEROA INCANA

Selective control of hoary alyssum in alfalfa. 6355

BETAINE

Effect of CCC and glycine betaine on growth and growth-substance content of primary leaves of dwarf French bean (Phaseolus vulgaris L.). 7317

BETHYLIDAE

The females of Laelius anthrenivorus Trani (Hym. Bethylidae) attacking man. 5492

BIBIONIDAE

Bibionid larvae in the stomach of a deer. 4978

BIBLIOGRAPHY

Bibliography of New Guinea entomology. 5341

Bibliography of soybean diseases. 5888

Gnotobiotic culture and its significance to plant nematology. 6309

Parasites of man and domestic animals in Vietnam, Thailand, Laos, and Cambodia. Host list and bibliography. 6437

BIDRIN

Experiments to control acorn weevils with systemic insecticides. dorsey, c k. 6142

Biochemical studies on the teratogenic action of Bidrin and other neuroactive agents in developing hen eggs. 7207

BILE DUCTS

Further studies on avian biliary cirrhosis with particular reference to aetiology. 6590

BINAPACRYL

A new chemical for control of scarlet and pink mite. 5484

BIO-ELECTRIC POTENTIAL

Interaction of DDT with the components of lobster nerve membrane conductance. 7190

BIO CHEMISTRY

Effects of the inhibitor of xanthine dehydrogenase, 4-hydroxypyrazolo(3,4 d)pyrimidine (or HHP) on the red eye pigments of Drosophila melanogaster. 5232

D-Amino acids in animals. 5271

The localization of spermidine in salivary gland cells of Drosophila melanogaster and its effect on H-3-uridine incorporation. 5288

Piperonylic acid conjugates with alanine, glutamate, glutamine, glycine, and serine in living houseflies. 5296

Toxicological studies on cutworms. I. Laboratory studies on the toxicity of insecticides to the dark-sided cutworm. 5357

Gas-liquid chromatography analysis of DDT metabolism in Aedes aegypti. 5370

Incidence of Bacillus popilliae (Dutky) in Costelytra zealandica (White) larva. 5406

Morphology and chemistry of the parasporal body of Bacillus fribourgensis. 5450

Comparisons of cells, refractile bodies, and spores off Bacillus popilliae. 5477

Evidence of a nonspecific type resistance to insecticides by a resistant strain of the tobacco budworm. 5516

Recent advances in the physiology and biochemistry of Plasmodia. 5526

The decarboxylation of luciferin in firefly bioluminescence. 5531

Insecticide resistance in the house fly: Decreased rate of absorption Is the mechanism of action of a gene that acts as an intensifier of resistance. 5532

Lindane: Metabolism to a new isomer of pentachlorocyclohexene. (abstract). 5551

The alarm-defence system of the ant Acanthomyops claviger. 5553

Flea Ctenophthalmus: Heterogeneous hexagonally organized layer in the midgut. 5558

Maintenance of imaginal discs of Drosophila melanogaster in chemically defined media. 5563

On the biosynthesis of cantharidins. I. 5594

Inhibition of DNA-DEPENDENT RNA polymerase by the exotoxin of Bacillus thuringiensis var. gelechiae. 5597

The oxygen binding properties of some larval hemoglobins of Chironomus th. thummi. 5606

Postnatal treatment of the cabbage aphid with a synthetic juvenile hormone. 5676

Initiation of polyhedrosis production in vitro. 5685

Synthetic routes to 1,1,1-trichloro-2,2-Bis(p-chlorophenyl) ethane-2-d, deutero-DDT.
5774

2,4-D metabolism. Enzymatic hydroxylation of chlorinated phenols.
5784

A chemotherapeutic treatment for selectively eradicating crown gall and olive knot neoplasms.
6071

Disulfoton as a systemic insecticide for control of adult white-fringed beetles on peanuts.
6153

Insecticidal field treatments for the control of the European corn borer. Ostrinia nubilalis (Hubner) in Southwestern Quebec, 1967.
6193

Chemical control of codling moth with DDT and sevin, the resistance problem of codling moth to DDT and additional observations on the effect of fruit thinning of sevin.
6195

Bloodworms- pests of rice.
6200

Control of the corn earworm on sweet corn in Eastern Nebraska.
6256

DDT-C14 translocation in alfalfa.
6270

Cellulytic and pectolytic enzymes in the nematode, Aphelenchus avenae.
6285

Morphological transformations and lysis of Halobacterium salinarium by 4-(2,4-dichlorophenoxy)butyric acid and related compounds.
6377

The effects of DDT on a breeding population of the rufoussided towhee (Pipilo e. erythrophthalmus Linnaeus).
6418

Effect of some pesticides on the adrenal glands in the rat.
6424

Relation between DDT in diets of laying birds and viability of their eggs.
6431

S.N.F. content of milk.
6446

Combined action of Rous sarcoma virus and chemical carcinogen in rats.
6456

Adrenergic mechanism in Bordetella pertusis treated animals.
6475

Electronmicroscopic, cytochemical and immunochemical study of B. anthracis and B. cereus.
6477

Glucose-dependent secretion and destruction of hydrogen peroxide by Mycoplasma pneumoniae.
6526

Evidence of lactate dehydrogenase in Anaplasma marginale.
6541

Pancreatic enzymes initiating excystation of Eimeria acervulina sporozoites.
6554

Effects of penicillin and glycine on cell wall glycopeptides of the two varieties of Vibrio fetus.
6585

Some observations of hypomagnesemic tetany in cattle.
6606

An endogenously produced substance essential for growth initiation of Pasteurella tularensis.
6610

Early antibody response in mice to either infection or immunization with Salmonella typhimurium.
6665

A mycoplasma associated with ovine orchitis.
6714

Evidence for conversion of DDT to TDE in rat liver: Ii. Conversion of p,p'DDT to p,p'TDE in axenic rats.
6753

Synthesis of saturated long chain fatty acids from sodium acetate-1-C14 by Mycoplasma.
6772

Effects of aflatoxin B1 on polysomal profiles and RNA synthesis in rat liver.
6793

Biochemistry of aflatoxins.
6846

Biochemical and biophysical characteristics of vesicular exanthema virus and the viral ribonucleic acid.
6864

Mechanisms of pathogenesis in Listeria monocytogenes infection. III. Carbohydrate metabolism.
6866

The determination of enterokinase activity in the duck intestine during experimental echinostomatosis.
6927

Ancylostoma caninum: Food reserves and changes in composition with age in third stage larvae.
6928

The investigation of alkaline phosphatase in the feces of pigs during experimental oesophagostomosis.
6931

Amino acid composition of some strongyle parasites of cattle.
6952

The investigations of main intestine enzymes--enterokinase and alkaline phosphatase in experimental pig trichocephaliasis.
6964

Neurosecretory cells i n the ventral nerve cord of leech (Hirudinaria granulosa).
6973

The glyoxylate cycle, fructose-1,6-diphosphatase and glyconeogenesis in Fasciola hepatica.
6993

Cytochrome c oxidase in migrating larvae of Ascaris lumbricoides var. suum.
7014

A comparative analysis of the localization of cholinesterase activity in some parasitic nematodes. II. Ascaris suum, Parascaris equorum, Neoascaris vitulorum and Oxyuris equi.
7021

Low temperature growth of type E Clostridium botulinum spores. 1. Effects of sodium chloride, sodium nitrite and pH. 2. Effects of solutes and incubation temperature.
7055

On the biochemical activity of microorganisms in the process of meat degradation.
7060

Production of enterotoxin-B in cured meats. genigeorgis, c.
7063

Action of microorganisms on the peroxides and carbonyls of fresh lard.
7066

Causes of can swelling and blackening of canned baby clams. 3. Bacteriology and chemistry of sea-bottom mud involved in can spoilage.
7069

Effect of DDT and dieldri n on RNA and protein synthesis in subcellular fractions of HeLa S cells.
7097

Toxicity of pesticides to man: Risks from present levels.
7107

Synergistic toxi city and carcinogenicity of 'freons' and piperonyl butoxide.
7160

Purification and properties of in vitro--produced anthrax toxin components.
7162

Phospholipase A in the venom of the Australian bulldog ant Myrmecia pyriformis.
7180

Biochemical studies on the teratogenic action of Bidrin and other neuroactive agents in developing hen eggs.
7207

Effect of DDT, dieldrin, heptachlor on the growth of selected bacteria.
7234

Influence of herbicides from s-triazine group on dynamics of some biochemical processes of oats in test experiments. Part II. Researches on action of propazine, prometrine, and prometone.
7248

Conversion of 4-(2,4-dichlorophenoxy) butyric acid to homologs by alfalfa; mechanism of resistance to this herbicide.
7264

Thin-layer chromatographi c-enzymatic identification of organophosphorus insecticides. Actiuation of weak esterase inhibitors.
7324

Organophosphorus pesticides. A gas chromatographic screening technique based on the detection of methylated hydrolysis products.
7326

Metabolism of DDT by rumen microorganisms in vitro. (Abstract).
7345

The carbon-fluorine bond in compounds of biological interest.
7348

The nature of activating action of dinitrophenol on ATPASE activity of myosin.
7365

Agricultural and horticultural fungicides-past, present, and future.
7416

BIOLOGICAL ASSAY

The toxic action of Bacillus thuringiensis exotoxin on Drosophila reared in yeast-containing and yeast-free media.
5221

Contribution to the studies of the activity spectra of the strains of Bacillus thuringiensi s Berliner.
5244

The standardization of products based on Bacillus thuringiensis.
5245

Insect hormones: Olive oil is not an inert vehicle for hormone injection into locusts.
5250

Nicotinamide-adenine dinucleotide-linked form of lactic dehydrogenase of the symbionts and fat bodies of a cockroach.
5295

The problems associated with the standardization of insect viruses.
5361

A bioassay to characterize strains and preparations of Bacillus thuringiensis Berliner.
5451

The determination of the insecticidal activity of an 8 year old sample of DDT by biological method.
5509

The use of radioactivity for the assessment of dose in bioassays involving bacterial insect pathogens.
5566

An anion-stimulated adenosine triphosphatase from the potassium-transporting midgut of the larva of Hyalophora cecropia.
5651

Use of bioassay in plant protection.
5677

Analysis of chronatin in male and female mealy bugs. (Planococcus citri).
5718

Mobilization factors in uredospores and bean leaves infected with bean rust fungus.
5908

A chemotherapeutic treatment for selectively eradicating crown gall and olive knot neoplasms.
6071

Purification, bioassy, properties, and serology of rice viruses.
6102

Systemic activity of UC-21149 against the citrus red mite, citrus thrips, California red scale, and spirea aphids on nonbearing orange trees.
6265

Biological assay of virus contents of tissues of rabbits infected with lapinised rinderpest virus. 6485

Evidence of lactate dehydrogenase in Anaplasma marginale. 6541

Behavior of equine infectious anemia virus in cell culture and development of a diagnostic test for the disease. 6562

The olfactory bulb lesion in the hibenating squirrel (Citellus lateralis) infected with coxsackievirus B-3. 1. Virus assay, light microscopic and immunofluorescent study. 6604

Brucella ovis infection 1.An evaluation of microbiological, seriological and clinical methods of diagnosis in the ram. 6634

On pyroplasmodias in sheep and goats. II. Research into anaplasmosis. 6686

Establishment and characterization of a feline neurofibrosarcoma (FNFS) cell line. 6746

Variation in concentration and composition of toxic alkaloids among strains of Phalaris tyberisa L. 6750

Avian leukosis-sarcoma viruses and antibody in field flocks, and their relationship to leukosis mortality. 6784

Effect of cytostatics on the replication of vaccinia, pseudo-rabies and sindbis viruses and on the interferon production by tissue culture cells. 6791

Cell culture techniques for primary isolation of Marek's disease-associated herpesvirus. 6872

Evidence for a herpesvirus as an etiologic agent of Marek's disease. 6873

Note on a microbiological assay for aflatoxin B_1: A rapid confirmatory test by effects on growth of Bacillus megaterium. 7052

Bioassay of captan by zebrafish larvae. 7082

Pesticide levels and fluctuation in soil bacteria in an irrigated field and a pond of southwest Texas. 7137

Selected Crotalidae venom properties as a source of taxonomic criteria. 7172

Central neurotoxic effects of the venoms of Naja naja and Vipera palestinae. 7179

Effects of dimethyl sulfoxide on the biological activity of selected miticides and insecticides. 7280

BIOLOGICAL CONTROL (INSECTS)

Division of Entomology Annual Report, 1966-67. 4968

Results of consecutive matings of female Anopheles gambiae species B with fertile and sterile males. 5242

The standardization of products based on Bacillus thuringiensis. 5245

Incorporation of tritiated thymidine into the ovarian DNA of stable flies: Effects of treatment with apholate. 5259

Oviposition responses by aphidophagous Syrphipae (Diptera). 5260

Chemosterilization of screw-worm flies, Cochliomyia hominivorax (Coquerel) (Diptera: Calliphoridae): Influence of age at treatment and mating, effect on survival, and transfer of chemosterilant by contamination. 5275

Growth, sporulation and germination of spores of Bacillus thuringiensis var. thuringiensis Berliner. 5293

Entomophthorous fungi as a natural factor in decreasing pea aphid populations. 5299

The possibilities of the microbiological control of Melolontha melolontha L. by means of the mycosis caused by Beauveria tenella (Delacr.) Siemaszko. 5304

Final report, studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan; June 1961-June 1966. Part I. Scale insects. 5323

Final report, studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan. June 1961 - June 1969. Part II. Fruit flies. 5324

Final report. Studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan, June 1961 - June 1966. Part III. Mites. 5325

Studies on control of house flies in Egypt by chemosterilants. I. Laboratory studies on Musca domestica vicina. 5346

The influence of environmental factors. 5378

Possibilities of mass-producing insect pathogens. 5381

Chemosterilization of the two-spotted spider mite. I. Effect of chemosterilants on the biology of the mite. II. Histopathological effect of apholate and 5-fluorouracil on the reproductive organs. 5390

Chemosterilization of the two-spotted spider mite. IV. Effect on population. 5391

Biosystematics of Phytoseiulus persimilis AthiasHenriot (Acarina: Phytoseiidae). 5407

Use of histopathology indices of haemolymph for the prognosis of mass propagation of pests. 5434

Susceptibility of insects to entobacterin. 5440

Sex attractant identified in click beetles of the sugar-beet wireworm. 5442

The biology and control of the Ceanothus stem-gall moth, Periploca ceanothiella (Cosens). 5446

Suitability of pathogens for biological control. 5452

1967: The results of artificial biological control of the olive fly. 5480

Exudates of germinating spores of Bacillus thuringiensis. 5502

On the theoretical concept of self-extinction of bark beetles. (TT 68-50402) 5515

Pest control by the biological method. 5523

New horizons in the fight against insects. 5524

On the use of Bacillus thuringiensis-insecticide combinations to control insect pests. 5537

The mass production of Beauveria bassiana. 5538

Effect of natural parasitization on the population of paddy gallfly, Pachydiplosis oryzae Mani. 5546

The natural and artificial dispersion of pathogens. 5561

Some effects of Metarrhizium anisopliae and its toxins on mosquito larvae. 5564

Colonization of two species of Florida chironomids. 5573

Utilization of Bacillus thuringiensis in the control of Porthetria dispar in Spain. 5575

Limitation of the Colorado beetle by nematodes and prospects for their practical utilization. 5580

Michigan's priority war on mosquitoes. 5601

Rational pesticide application. 5614

The role of phytocides on the pathology of the phytophagous invertebrates. 5616

Insect pathology and microbial control. Proceedings of the International Colloquium on Insect Pathology and Microbial Control, Wageningen, the Netherlands, September 5/10, 1966. 5657

Research on the disease due to Metarrhizium anisopliae, in the migratory locust. 5664

Integrated and harmonious control of insect pests. 5667

Use of bioassay in plant protection. 5677

Observations on the use of a preparation of Bacillus thuringiensis var. thuringiensis Berliner, for the control of the olive moth (Prays oleae Bern.). 5686

Use of some host insects to increase trichogram effectiveness. 5692

Gambusia for Colorado. 5746

Factors influencing the persistence of the granulosis virus of Pieris brassicae in the environment. 5752

Attractants and attractant traps for eye gnats Hippelates pusio. 5770

The use of microbiological preparations in plant protection based on entomopathological bacteria Bacillus thuringiensis. 5801

Ecdysones and analogs: Effects on development and reproduction of insects. 5835

Establishment of Aphelinus mali (Haldeman) at Shillong, Assam. 6163

Studies on a biological and a chemical method of controlling the dark rice field mosquito in Louisiana. (abstracts). 6168

Description, damage and control of the southwestern corn borer. 6188

Field experiments with Tri chogramma brasiliensis Fland. for the possible control of the pink bollworm of cotton, Pectinophora gossypiella Saund., in Mexico. 6198

Alfalfa weevil control, 1969. 6206

The use of entomopathogenic microorganisms in agriculture: Actual and prospective potentialities offered by Bacillus thuringiensis Berliner. 6217

A mite to combat coconut caterpillar. 6218

Insect pests of barley and their control. 6231

Bionomics of Drosicha mangiferae (Green) on citrus including new record of its three natural enemies. 6246

All we know about pink bollworms. 6271

Insects on trial in fight against lantana. 6276

Grow alfalfa in spite of the weevil. 6277

University of Wisconsin scientists discuss insecticides and pollution. 7088

Chemosterilization of the two-spotted spider mite. III. Effect on host plant. 7252

Aspects of the industrial production of microbial insect control agents. 7404

BIOLOGICAL CONTROL (PESTS)

The present status of rice pest research and control. A literature review. 5827

The biological control of red scale Aonidiella aurantii (Mask), on citrus in South Africa. 6155

Rodent pests and their control. 6402

BIOLOGICAL CONTROL (PLANT DISEASES)

Reaction of selected sorghum varieties and lines to downy mildew. 7270

BIOLOGICAL CONTROL (WEEDS)

These weeds mean trouble. 7042

BIOLOGICAL TRANSPORT

An anion-stimulated adenosine triphosphatase from the potassium-transporting midgut of the larva of Hyalophora cecropia. 5651

BIOLOGY

The occurrence and observation of Puccinia striiformis in the State of Washington. 5935

Biology of Ascochyta species parasitic on pea plants. 6023

The biology and control of the rice field mole rat of Ceylon, Gonomys cracilis (Nehring). 6405

Biology of invertebrata. 6449

Evolution of botulism. V. Evolution of pathogenic propertis of Cl. botulinum. 6505

Adaptation,culturing of R. sibirica in rabbit lice and preparation of a combined antigen for diagnosis of infection. 6783

Multiplication and differentiation of Trypanosoma cruzi in an insect cell culture system. 6875

On the biology of Apatemon gracilis (Rud., 1819), a trematode parasitizing in domestic and wild ducks. 6994

Achievments of Soviet investigators in the study of helminth biology and helminthosis epizootiology. 7008

Water pollution and agriculture. 7075

BIOMETRY

Contributions to the study of the biometric characteristics of the silkworm as influenced by nutrition. 5589

BIONOMICS

Analysis of bark beetle mortality in spruce forests in Poland. 5205

Immature stages of Elasmotropis testacea (H. - S.) and notes on the bionomics of the species (Heteroptera, Tingidae). 5632

Life history, habits, and damage of Chrysobothris orono (Coleoptera: Buprestidae) on red pine in Michigan. 5680

Phenology of the potato tuber moth, Gnorimoschema operculella Zell., in Israel in the spring. 6280

Regional research in nematode parasites of ruminants in the western United States, a 10-year summary, 1958-1968. 6949

BIOPHYSICS

Characterization of bovine viral diarrhea viruses. II. Ultrafiltration properties of different strains after various treatments. 6572

BIOPSY

In vivo and in vitro cytological diagnosis of densonucleosis in Lepidoptera. 5469

BIOSYNTHESIS

Piperonylic acid conjugates with alanine, glutamate, glutamine, glycine, and serine in living houseflies. 5296

Some problems of plant-parasite relationship. 5838

Study of the synthesis of lysopine by tissue extracts of crown-gall in vitro. 5993

Effect of the composition of the nutrient medium on the amylase localization in Aspergillus oryzae. 7242

Aspects of gibberellin biosynthesis. 7349

BIOTIN

Requirement of turkey poults for biotin and effect of deficiency of incidence of leg weakness in developing turkeys. 6648

BIPYRIDYLIUM COMPOUNDS

Chemical constitution and activity of bipyridylium herbicides- III Pyrazino(1.2.3.4-lmn)1,10-phenanthrolinium dibromide. 7330

BIRD CONTROL

Pest control's 1969 directory of pesticides. 7403

BIRD PESTS

The present status of rice pest research and control. A literature review. 5827

Control of sparrows on poultry farms. 6443

BIRDS

Ixodes walkerae, n. sp. from a bird in Kenya. (Acarina: Ixodidae). 5012

Dennyus aequatorialis n. sp. (Mallophaga: Menoponidae) from the mottled swift, Apus aequatorialis. 5090

On the knowledge of German fleas. II. Fauna and Ecology of the fleas of birds (Insecta, Siphonaptera). 5121

Argas (Argas) Japonicus, new species, associated with swallows in Japan and Korea (Ixodoidea, Argasidae). 5174

Hughes virus from Trinidadian ticks and terns. 5188

A redescription of Pteronyssoides tyrrelli (Canestrini, 1899). A feather mite from the t ree swallow (Acari-Acariformes). 5241

Parasite phylogeny problems of the Mallophaga of Passeriformes and Piciformes. 5693

Some birds of Uruguay parasitized by Ornithoctonia erythrocephala (Diptera, Hippoboscidae). 5754

Do small mammals and birds affect reproduction of spruce and fir . 6406

New contributions to the subject 'birds and agriculture'. 6411

The effects of DDT on a breeding population of the rufoussided towhee (Pipilo e. erythrophthalmus Linnaeus). 6418

Relation between DDT in diets of laying birds and viability of their eggs. 6431

Long distance dispersal of seeds by retention in digestive tract of birds. 6436

Properties of pasteurella organisms isolated from birds fed antibiotics for a long period. 6569

Some characteristics of Staphylococcus aureus isolated from the skin and upper respiratory tract of domesticated and wild (Feral) birds. 6615

Transmission of classical Marek's disease by affected and carrier birds. 6666

Central African utilization of a polyvalent avarian vaccine. 6781

Western Encephalitis virus in Alberta. 6812

Encephalitis field surveillance in Orleans Parish. 6903

Eurycestus avoceti Clark, 1954 (Cestoda, Cyclophyllidaen parasite of the Avocet in Camargue. 6914

Pelecitus ceylonensis n. sp. from the chick and ash-dove experimentally infected with larvae from Mansonia crassipes, and from naturally-infected crows in Ceylon. 6938

Blood parasites found in imported birds at postmortem examination. 6987

On the infection of the Lithuanian birds by the cestodes. 7018

Agricultural pesticides and their detractors. 7080

Some observations on the effects of using organochlorine sprays in an orchard. 7098

Chlorinated hydrocarbons and eggshell changes in raptorial and fish-eating birds. 7108

Residues of dieldrin (HEOD) in the tissues of experimentally poisoned birds. 7130

Birds and agriculture. 7134

On the toxicology of Pyrethrum to warm blooded animals. 7384

BIRDSFOOT TREFOIL

Crop protection; computers, simazine, corn seed beetle. 5780

Microsporogenesis of the bird's-foot trefoil (Lotus corniculatus L.). 6329

BIS(1-A ZIRIDINYL)PHOSPHINYL)-3-(3,4-DICHLOROPHENYL)UREA, 1-(

Chemosteri lization of screw-worm flies, Cochliomyia hominivorax (Coquerel) (Diptera: Calliphoridae): Influence of age at treatment and mating, effect on survival, and transfer of chemosterilant by contaminat ion. 5275

BITTER PIT
Granny Smith versus Jonathan. 5840
Influence of pre- and post-harvest treatments on bitter pit of Granny Smith apples in the Goulburn Valley. 6104

BLABERUS CRANIIFER
Electron microscopic and biochemical characterization of collagen in blattarian insects. 5356

BLACK ROOT ROT
Strains of the fungus Thielaviopsis basicola (Berk. et Br.) Ferr. isolated from the roots of blue lupin (Lupinus 5976

BLACK ROOT ROT (TOBACCO)
Races of Pratylenchus penetrans, and their effect on black root rot resistance of tobacco. 6300

BLACK ROT
Pectic and cellulolytic enzymes produced by Mycosphaerella citrullina and their relation to black rot of squash. 5903

BLACK RUST
The influence of CCC on disease contraction of grain. 7322

BLACK SPOT
Black spots of apples: A warning service for fruitgrowers. 5865
It takes more than tender, loving care to prevent blackspot. 5870
Relation between black spot and composition of the potato tuber. 7312

BLACK-STREAKED DWARF
Dwarf, yellow dwarf, stripe, and black-streaked dwarf diseases of rice. 5968
Varietal resistance to stripe, dwarf, yellow dwarf, and black-streaked dwarf. 6064
Electron microscopic studies of rice viruses. 6077
Ecology of insect vectors, forecasting, and chemical control. 6205

BLADDER
Experimental arsanilic acid poisoning in pigs. 7169

BLATTA ORIENTALIS
VPI cockroach research. 5339

BLATTELLA GERMANICA
Behavior of the German cockroach, Blattella germanica (L.), in response to surface textures. 5224
VPI cockroach research. 5339
The determination of the insecticidal activity of an 8 year old sample of DDT by biological method. 5509
Genetic variability in the German cockroach. IV. Linkage studies with markers for groups III and VIII. 5735

BLATTIDAE
A sound-activated method for recording insect activity. 4970
Nicotinamide-adenine dinucleotide-linked form of lactic dehydrogenase of the symbionts and fat bodies of a cockroach. 5295
A possibility of using dimethyldichlorvinylphosphate in the fight againt red cockroaches. (abstract). 5495
Central nervous system control of circadian rhythmicity in the cockroach. II. The pathway of light signals that entrain the rhythm. 5500
Central nervous system control of circadian rhythmicity in the cockroach. III. The optic lobes, locus of the driving oscillation . 5501
Cuticular water pump in insects. 5681

BLIGHT
Dogwood diseases. 5944
Diseases of pulses pose a challenge to plant pathologists, breeders. 6047
Fusarium blight and Merion bluegrass. 6114
Transfer of Coriandrum sativum L. inflorescence blight through seeds and the influence of seed treatment upon this disease. 6116

BLISTER RUST (PINUS)
Forest disease control in California; July 1, 1966 to June 30, 1967. aSB761.A3. 6117

BLOAT
Observations on the causes of chronic bloating in young cattle. 6537
Controlling bloat in cattle grazing clover. 6578
Cattle bloat in southern New England, N.S.W. 1961-66. 6874

BLOOD
A temperature-controlled feeding apparatus for hematophagous arthropods. 4975
Perfusion fluid for the scorpion, Heterometrus fulvipes. 5510
Five new cases of Chagas' disease in Zacatecas and Jalisco in the Republic of Mexico. 5760
Nutritional requirements of Pasteurella tularensis for growth from small inocula. 6609
Identification of a piroplasme found with sufficient frequency in our cattle. 6790
Multiplication and differentiation of Trypanosoma cruzi in an insect cell culture system. 6875

BLOOD ANALYSIS
A hemolytic neonatal disease in swine associated with blood group incompatibility. 6722
A prophylactic treatment for heartworm infestation of dogs. 6953

BLOOD CELLS
Study of the hemocytes of Locusta migratoria L. (Orthoptera). 5367
Changes in the hemocyte picture of Galleria mellonella (Linnaeus). 5396
Development of virus antigen in tissues of Pieris brassicae inoculated with Tipula iridescent virus. 5534
Relationships of X-irradiation to the enhancement of Candida albicans infections. 6599
An in vitro and in vivo study of the effect of DDT on the phagocytic activity of rat white blood cells. 7174

BLOOD CHEMISTRY
The dynamics of total protein amount and protein fractions in the blood serum during experimental pig trichocephaliasis. 6971

BLOOD CIRCULATION
Action of bacterial endotoxins on the blood circulation system with consideration of the relations to enterotoxemia (edema disease) of the swine. 6859

BLOOD COMPOSITION
Intracellular concentration of electrolytes in the housefly. 5598
Results of hemoglobin determination in piglets in the framework of herd diagnosis of piglet anemia. 6540
Effect of a soluble fraction of oil seed meals on uptake of 65Zn from ca.mg.65Zn.phytate complexes by the chick'. 6690
An epidemiologic application of the study of DDE levels in whole blood. 7100

BLOOD CULTURE
Suitable blood sources permitting reacquisition of infectivity by culture-form Trypanosoma (Trypanozoon) brucei. 6461

BLOOD GROUPS
A hemolytic neonatal disease in swine associated with blood group incompatibility. 6722

BLOOD PARASITES
Comparative studies on blood-stream and culture forms of Trypanosoma lewisi--I. Oxygen utilization, carbon dioxide production and glucose uptake. 6625
Blood parasites found in imported birds at postmortem examination. 6987

BLOOD PLASMA
Experimental leptospirosis. III. Leptospirosis in dogs. Experimental reproduction of the sickness. 6508
Methods of serological diagnosis in caprine Brucellosis. A comparative study. 6516
Effects in warmblooded animals of thiometon (2-ethylthioethyl o,o-dimethylthiophosphate) ingested in drinking water. 7149

BLOOD PRESSURE
Investigations into the circulatory system of the migratory locust (Locusta migratoria migratorioides tr. et F., Orth.) with special reference to the blood pressure. 5215

BLOOD PROTEINS
Study of blood serum of parasitized animals. I. Electrophoresis. 6966

BLOOD SERUM
Serological survey on the incidence of bovine leptospirosis in the province of Belluno. 6464
Leptospira icterohaemorrhagie natural infection in the dog. I. Determination of activities of serum enzymes. 6504
Statistical analysis of blood serum composition, urine excretion levels and the occurrence of urolithiasis in sheep. 6687
Study of blood serum of parasitized animals. I. Electrophoresis. 6966
The dynamics of total protein amount and protein fractions in the blood serum during experimental pig trichocephaliasis. 6971

BLOOD SUGAR
Some observations of hypomagnesemic tetany in cattle. 6606

BLOOD TESTS
On pyroplasmodias in sheep and goats. II. Research into anaplasmosis. 6686

Staphylococcus epizootic in western Oregon cottontails.
6712

BLOOD VOLUME
Intracellular concentration of electrolytes in the housefly.
5598

BLOSSOM BLIGHT
Spraying trials against Sclerotinia diseases of plums on flowers and fruits.
6053

BLUE DWARF
Host range studies of oat blue dwarf virus.
6274

BLUE LUPINE
Strains of the fungus Thielaviopsis basicola (Berk. et Br.) Ferr. isolated from the roots of blue lupin (Lupinus
5976

BLUEBERRIES
Morphological variant of Tetylenchus joctus Thorne (Nemata: Tylenchida) associated with cultivated blueberries in Indiana.
6289

BLUETONGUE VIRUS
Studies on the fluorescent and neutralizing antibodies to bluetongue virus in sheep.
6766

BOARS
Testicle hypoplasia in a boar of the Gottinger miniature swine breed.
6792

BOCHARTIA
Bionomics of Drosicha mangiferae (Green) on citrus including new record of its three natural enemies.
6246

BOG SOILS
Third contribution to the knowledge of keratinolytic and keratinophilic soil fungi in the region of Szczecin.
5818

BOMBINAE
The bumblebee fauna in the neighborhood of the Kuku-Nor. (Hymenoptera, Bombinae).
5155

BOMBUS
The pollination of runner beans (Phaseolus multiflorus) in a glasshouse.
5314

Nest architecture and brood development in a neotropical bumblebee, Bombus atratus.
5578

BOMBYLIIDAE
On the morphology of the last abdominal segment of female Bombyliidae (Diptera).
5483

BOMBYX MORI
The sexual difference in the silk worm cocoons relative to the optical properties. 2. Fluorescent spectro-characteristics of cocoons.
4973

Action of proteinic brain hormone to the prothoracic gland in an insect, Bombyx mori L. (Lepidoptera: Bombycidae).
5412

Production of dauer pupae in Bombyx mori L.
5482

Artificial diet for cecropia and other saturniid silkworms.
5560

Contributions to the study of the biometric characteristics of the silkworm as influenced by nutrition.
5589

Changes in the content of fixed amino acids in tissues of silk worm during development.
5592

Sterilizing effect of high temperature on the male silkworm, Bombyx mori L. (Lepidoptera: Bombycidae).
5634

Dose rate effect of radiation on spermatogonia of the silkworm.
5635

Determining suitable wintering and hatching regimes of the eggs of the silk worm (Bombyx mori L.).
5687

Polytene chromosomes in silk gland cells of the silkworm, Bombyx mori.
5727

BONE ASH
Some observations of hypomagnesemic tetany in cattle.
6606

BONE DISEASES
Feline osteodystrophy, its treatment and prevention.
6639

A histologic study of medullary bone of laying hens under different diet and housing conditions.
6789

BONE MARROW
Bone marrow changes in the course of feline infectious enteritis (agranulocytosis).
6619

Histochemical premises to the study of the adrenal medullary tumors of cattle.
6703

BONE MEAL
Further studies on avian biliary cirrhosis with particular reference to aetiology.
6590

The isolation of salmonellas from animal feedingstuffs.
7059

BOOPHILUS ANNULATUS
Division of Entomology Annual Report, 1966-67.
4968

BOOPHILUS ANNULATUS MICROPLUS
Salivary secretion in the cattle tick as a means of water elimination.
5641

BOOPHILUS MICROPLUS
Metabolism of aniline in the cattle tick Boophilus microplus Canestrini.
5368

BORAX
Borax and control of stump infection by Fomes annosus in western hemlock.
5920

Borax and boric acid. Proposed establishment of pesticide tolerance.
7116

The distribution of trace elements in the leaves of the coconut palm, and the effect of trace element injections.
7297

BORDEAUX MIXTURE
Studies on the control of the anthracnose of Acacia dealbata caused by Glomerella cingulata Stonem.
5954

Betel's wilt disease can be kept under control.
6025

Lemon scab (Sphaceloma fawcettii scabiosa).
6029

Septoria spot on grapefruit in Southern California.
6101

Effect of Bordeaux Mixture spray on fruit set in coffee (Coffea arabica L.).
7283

BORDETELLA BRONCHISEPTICA
Bordetella bronchiseptica and infections of the nasal cavity in swine.
6457

BORDETELLA PERTUSSIS
Adrenergic mechanism in Bordetella pertusis treated animals.
6475

BORIC ACID
Borax and boric acid. Proposed establishment of pesticide tolerance.
7116

BORON
Metabolic activity of pea root ribosomes under conditions of boron deficiency.
5877

Absorption of boron by bartlett pears.
5898

Influence of pre- and post-harvest treatments on bitter pit of Granny Smith apples in the Goulburn Valley.
6104

BORON COMPOUNDS
Borax and control of stump infection by Fomes annosus in western hemlock.
5920

BORRELIA
Species of Borrelia from a Columbian bat. (Natalus tumidirostris).
5762

BOTANY
Breeding and management of forage crops in the Eastern Plains.
5797

BOTRYTIS
Research on sap infections.
6070

BOTRYTIS ALLII
Fungistatic and fungicidal effects of certain organic products on some fungi causing diseases in vegetables.
5899

BOTRYTIS CINEREA
Results of insecticide and fungicide tests, carried out in 1966, by the Vegetable Protection Service.
5879

Botrytis flower spot control in orchids.
6037

Heat sensitization for control of grey mold of strawberry fruits by gamma irradiation.
6090

Studies on Botrytis cinerea in tomatoes. Effect of soil nitrogen level and of methods of deleafing upon the occurrence of B. cinerea under commercial conditions.
6118

Testing of fungicides as to their effectiveness against Botrytis cinerea with the aid of a grape juice test.
7320

BOTRYTIS FABAE
Splash dispersal of fungus spores and fungicides in the laboratory and greenhouse.
5799

BOTRYTIS GLADIOLORUM
Fungicides for gladiolus corms.
6002

BOTULISM
Type C Botulism in a dove (Streptopelia roseogrisea bornuensis) from Ferlo (Senegal).
6557

BOVICOLA BOVIS
Cattle lice; how to control them.
6889

BOVINE RHINOTRACHEITIS VIRUS
Application of the agar gel technique in the diagnosis of infectious bovine rhinotracheitis.
6567

BOVINE VIRUS DIARRHEA VIRUS
Characterization of bovine viral diarrhea viruses. II. Ultrafiltration properties of different strains after various treatments.
6572

Characterization of bovine viral diarrhea viruses. III. Partial purification by agar gel filtration.
6573

Characterization of bovine viral diarrhea viruses. I. Determination of buoyant density.
6574

BRACHYCENTRIDAE
The infection of immature aquatic insects by larval Paragordius (Nematomorpha).
5167

BRACHYCERA

Diptera larvae in soil treated with organic and mineral fertilizers. (I). Family Asilidae-Diptera-Brachycera. 5541

BRACONIDAE

The Alysiinate (Hym. Braconidae) parasites of the Agromyzidae (Diptera). V. The parasites of Liriomyza Mik and certain small genera of Phytomyzinae. 5051

Two new species of Praon Haliday from Czechoslovakia (Hym., Aphidiidae). 5146

Blacus-dances, experiences and studies (Braconidae, Hymenoptera). 5343

Blacus-dances, experiences and studies (Braconidae, Hymenoptera). 5344

Aphidofauna of honey plants as a source of subsidiary hosts of aphidiid wasps (Hymenoptera, Aphidiidae). 5628

Chemical control of the tea tortrix (Homona coffearia Nietner). 6171

BRAIN

The diversity of cell types in the neurosecretory system of the beetle Blaps mucronata. 5308

Relationship between serotonin and the circadian rhthym in some nocturnal moths. 5364

Medium and long-term changes in the behavior of visual neurones in the tritocerebrum of locusts. 5371

Action of proteinic brain hormone to the prothoracic gland in an insect, Bombyx mori L. (Lepidoptera: Bombycidae). 5412

Effect of ligaturing on puparium formation in the larva of the tsetse fly, Glossina morsitans Westwood. 5432

Production of dauer pupae in Bombyx mori L. 5482

Central nervous system control of circadian rhythmicity in the cockroach. III. The optic lobes, locus of the driving oscillation. 5501

Morphological cell death in the post-embryonic development of the insect optic lobes. 5503

Dishabituation and arousal in the response of single nerve cells in an insect brain. 5568

Postembryonic development of the brain of Musca domestica. 5585

Brain of Aphis gossypii Glover. 5586

Morphology and histology of the brain of mylabris phalerata. 5587

Visual centers during postembryonic life of Callosobruchus maculatus (F.). 5588

Cytochemical studies on the neurosecretory cells of the brain of Labidura riparia Pallas (Dermaptera). 5611

Aspergillus flavus meningo-encephalitis in chickens and geese. 6476

Distribution of experimentally induced scrapie lesions in the brain. 6580

Natural scrapie in a goat. 6630

Investigations on the viruses of the Orphan type occurring in pigs in Polannd. V. Histopaphological changes in the central nervous system of piglets infected with virus LI. 6885

BRASSICA

Spraying in mustard is a must. 5258

Weed control techniques aid trials with hedge row planting of blackcurrants. 6314

Weed control in field brassica crops. 6321

BREEDING

Linkage of gold, its recessive lethality and sex-related variation in crossing-over in Culex pipiens (Diptera: Culicidae). 5722

The effects of DDT on a breeding population of the rufoussided towhee (Pipilo e. erythrophthalmus Linnaeus). 6418

Reaction of selected sorghum varieties and lines to downy mildew. 7270

We lose 06 million a year through damage to hides - are you at fault. 7415

BREVICORYNE BRASSICAE

Postnatal treatment of the cabbage aphid with a synthetic juvenile hormone. 5676

BREVIPALPUS PHOENICIS

A new chemical for control of scarlet and pink mite. 5484

BROAD-LEAVED WEEDS

Weed control in turf - 1967. 6345

BROADBEANS

The weed vegetation of flower beds and irrigated cultivations in Cairo and some adjacent provinces. 5837

Research on the associated culture of viruses and vegetable tissues. 6049

Nitrogen metabolism in developing seeds of Vicia faba. 7225

Arginine metabolism in germinating seeds of some members of the leguminosae. 7255

BROMINE COMPOUNDS

Bromination process. Patent 3,450,757. 7334

Bromination process of salicylanilide. Patent 3,450,756. 7355

BROMOCRESOL PURPLE

Penicillin and other inhibitory substances in milk: The development and application of a routine test in New Zealand. 7061

BROMOLYSERGIC ACID DIETHYLAMIDE

Bromolysergic acid diethylamide in physiological studies of lepidopterous larvae. 5199

BROMOPHOS

Temperature effects on the toxicity of five insecticides against five species of stored-product insects. 5384

BROMOXYNIL

Response of flax to postemergence herbicides. 7314

BROWN PATCH

Fungicides and turf disease control - 1964. 5883

Disease control. 6138

BROWN RUST

The influence of CCC on disease contraction of grain. 7322

BROWN SPOT

Quantitative genetic estimates for brown spot resistance in corn. 5846

Chemical control of bean bacterial diseases in Wisconsin. 5951

BRUCELLA

Brucella ovis infection I. An evaluation of microbiological, seriological and clinical methods of diagnosis in the ram. 6634

The role of Argas persicus in epizootic poultry cholera. 6893

BRUCELLA ABORTUS

Some observations on the incidence of Brucellosis in animals in West Pakistan. 6471

Antigens of Brucella abortus. I. Chemical and immundelectrophoretic characterization. 6628

Serological examination for evidence of brucellosis and leptospirosis in beef herds in New South Wales. 6633

The isolation of Leptospira sejroe from the kidneys of aborting cattle. 6724

Bovine brucellosis and infectious abortion. 6730

BRUCELLA ABORTUS ANTIGENS

Immuno-fluorescent study of antibody formation in immunization of guinea pigs with a live brucella culture. 6478

BRUCELLA OVIS

A Brucella ovis antigen for the skin test of ovine genital brucellosis. 6515

Brucella ovis infection. 2. The infection status in breeding flocks as measured by examination of rams and the perinatal lamb mortality. 6618

BRUCELLOSIS

Interstate transportation of animals and poultry. Brucellosis. Miscellaneous amendments. 6462

Some observations on the incidence of Brucellosis in animals in West Pakistan. 6471

A Brucella ovis antigen for the skin test of ovine genital brucellosis. 6515

Methods of serological diagnosis in caprine Brucellosis. A comparative study. 6516

Brucella ovis infection. 2. The infection status in breeding flocks as measured by examination of rams and the perinatal lamb mortality. 6618

Serological examination for evidence of brucellosis and leptospirosis in beef herds in New South Wales. 6633

Immunogenic properties of polyvalent and associated emulsion vaccine against paratyphoid fever and brucellosis of sheep. 6637

Zoonoses in india. 6667

Ovine anti-brucellosis serology. Vaccine and infectious antibodies. Serums negative to the seroagglutination of Wright and positive to complement deviation. 6689

The control of contagious abortion. 6702

Bovine brucellosis and infectious abortion. 6730

Beware of brucellosis. 6761

Interstate transportation of animals and poultry. Brucellosis. Designation of modified certified

brucellosis areas, public stockyards, specifically approved stockyards, and slaughtering establishments. Modified certified brucellosis areas.
6798

BRUCHIDAE
Studies on interspecies competition between the azuki bean weevil and the southern cowpea weevil. III. Some characteristics of strains of two species.
5318

Morphology and histology of the brain of mylabris phalcrata.
5587

BRUCHUS
Stored grain insects as carrier of fungi.
7034

BRUSH CONTROL
Weed and brush control for drainage ditches.
6320

Repeated spraying to control southwest Oregon brush species.
6338

Brush research in Texas, 1968.
6390

BUD-ROT
Diseases and pests of coconut in Kerala.
5814

BUFFALOES
Some observations on the incidence of Brucellosis in animals in West Pakistan.
6471

An assessment of cimerian lesions in buffalo-calves (Bubalus bubalis) and their significance.
6759

BULLS
Vaccination of bulls against bovine vibriosis.
6521

Roeckl granuloma with an excessively testicular localization.
6571

BUPALUS PINIARIA
An infection of Streptococcus faecalis Andrewes et Horder in the pine looper moth, Bupalus piniarius L. (Lepidoptera, Geometridae).
5654

BUPRESTIDAE
The Buprestidae and Cleridae of the Nevada Test Site (Coleoptera).
4994

Notes on Buprestidae and Schizopodidae.
5114

Life history, habits, and damage of Chrysobothris orono (Coleoptera: Buprestidae) on red pine in Michigan.
5680

Maryland arborists discuss insect control.
6221

BUSHY STUNT
Some rice diseases suspected to be of virus origin in South Viet Nam.
6110

BUTHIDAE
Repeated pregnancy and duration of the gestation period in the scorpion, Isometrus maculatus De Geer (Fam., Buthidae).
5539

BUTT ROT
Butt rot in yellow-poplar seedling-sprout stands.
5947

BUTTER
Rapid colorimetric determination of DOT in milk and butter.
7389

BUTTERFLIES
The butterfly in the vernacular.
5079

A seasonal form of Baliochila singularis Stempffer and Bennett from Southern Rhodesia (Lepidoptera: Lycaenidae).
5220

BUTURON
The effect of herbicides and cultivation measures on the yield of corn.
7271

The effect of the application of herbicides in the control of weeds in corn fields.
7272

BUTYL-5-BROMO-6-METHYLURACIL, 3-TERT
Selective control of hoary alyssum in alfalfa.
6355

BUTYL-5,6-DIHYDRO-7-METHYL-5-CYCLOPENTA(D)PYRIMIDINE-
Control of undesirable vegetation. Patent 3,436,207.
6386

BUTYLCARBAMOYL)-2-BENZIMIDAZOLE N-METHYLCARBAMATE, 1-(
Studies with two systemic fungicides, benlate and thiabendazole.
5962

BUTYRIC ACID
Morphological transformations and lysis of Halobacterium salinarium by 4-(2,4-dichlorophenoxy)butyric acid and related compounds.
6377

BY-PRODUCTS
Evaluation of several methods of isolating salmonellae from poultry litter and animal feedstuffs.
6836

Degradation of gamma-BHC in simulated lake impoundments as affected by aeration.
7362

BYRSOTRIA FUMIGATA
A sound-activated method for recording insect activity.
4970

C-8514/SCHERING 36268
Toxicities of two insecticides to young coho salmon.
7210

CABBAGE
Chemicals for control of cabbage clubroot - Plasmodiophora brassicae Wor. IV. Effect on the pathogen.
5915

Detection of Plasmodiophora brassicae races 2 and 6 in Ontario.
6056

Translocation of diazinon from planting water by cabbage and tobacco seedlings.
7122

Effects of simulated radioactive fallout decay on growth and yield of cabbage, maize, peas and radish.
7298

CACAO
On some Scolytidae and Platypodidae of economic importance from the territory of Papua and New Guinea. 250. Contribution to the morphology and taxonomy of the Scolytoidea).
5142

Auxin destruction by Marasmius perniciosus.
5985

Tropical nematology.
6305

CADRA CAUTELLA
Functional response to host density in a parasitic wasp, with reference to population regulation.
5640

CAFFEINE
Loss of chromosomes and nondisjunction induced by caffeine in Drosophila.
5726

CALCIFICATION (PHYSIOLOGICAL)
Hypercalcemia and gastro-duodenal ulcerations.
6849

Remarks concerning the experimental infestation of guinea pigs with the East African strain of Trichinella spiralis.
6946

CALCIUM
Effect of food availability on rates of loss of 45calcium from Hyphantria cunea (Lepidoptera: Arctiidae).
5268

The calcium sensitivity of ATPase activity of myofibrils and actomyosins from insect flight and leg muscles.
5456

Phosphorus, potassium, calcium and magnesium requirements of Maryland tobacco grown on Monmouth soil.
5880

Chemicals for control of cabbage clubroot - Plasmodiophora brassicae Wor. IV. Effect on the pathogen.
5915

Influence of pre- and post-harvest treatments on bitter pit of Granny Smith apples in the Goulburn Valley.
6104

Feline osteodystrophy, its treatment and prevention.
6639

Effect of a soluble fraction of oil seed meals on uptake of 65Zn from ca.mg.65Zn.phytate complexes by the chick'.
6690

Role of calcium in the nutritional etiology of a metabolic disorder in ruminants fed a high grain ration.
6857

CALCIUM CHLORIDE
Causes of can swelling and blackening of canned baby clams. 3. Bacteriology and chemistry of sea-bottom mud involved in can spoilage.
7069

CALCIUM CYANAMIDE
The action of calcium cyanamide on the development of some basidiomycetes of wood.
5941

CALCIUM OXYTETRACYCLINE
Calcium oxytetracycline. Notice of extension of temporary tolerance.
7117

CALCIUM PHOSPHATES
A histologic study of medullary bone of laying hens under different diet and housing conditions.
6789

CALIFORNIA
Iron chlorosis in relation to irrigation practices.
6123

CALIFORNIA ENCEPHALITIS VIRUS
Experimental exposure of deer to California encephalitis virus.
6530

CALIFORNIA MASTITIS TEST
Pre-disposing factors in mastitis. III. Genetic influences on udder health.
6778

Influence of some preparations applied into the udder on the pH, microscopic cellular appearance, California Mastitis Test and on the content of catalase and chlorides in milk.
6837

CALLIPHORA
Houseflies, blowflies and cluster flies.
6901

CALLIPHORA VICINA
Puparium formation in flies: Contraction to puparium induced by ecdysone.
5223

The development of fat bodies in the larvae of Calliphora erythrocephala Meig,.
5277

CALLIPHORIDAE
Chemosterilization of screw-worm flies, Cochliomyia hominivorax (Coquerel) (Diptera: Calliphoridae): Influence of age at treatment and mating, effect on survival, and transfer of chemosterilant by contamination.
5275

Chemosterilant-induced increase in mating ability of male screw-worm flies (Diptera: Calliphoridae).
5276

Trehalose regulation of gucose-6-phosphate hydrolysis in blowfly extracts.
5317

CALLOSOBRUCHUS CHINENSIS
Studies on interspecies competition between the azuki bean weevil and the southern cowpea weevil. III. Some characteristics of strains of two species.
5318

CALLOSOBRUCHUS MACULATUS
Studies on interspecies competition between the azuki bean weevil and the southern cowpea weevil. III. Some characteristics of strains of two species.
5318

The development of male genital duets and the associated structures in Callosobruchus maculatus (F.) (Bruchidae: Coleptera).
5511

The larval and imaginal oenocytes of Callosobruchus maculatus (Fabricius) (Coleoptera: Bruchidae).
5512

A note on the metamorphosis of the mid-gut epithelium in Callosobruchus maculatus (F.) (Bruchidae: Coleoptera).
5513

Visual centers during postembryonic life of Callosobruchus maculatus (F.).
5588

CALOPHASIA LUNULA
How do native insect parasites behave in relation to imported insect hosts, alien to the native fauna
5695

CALVES
Susceptibility of European Zebu crossbred cattle to lapinsed rinderpest vaccine.
6484

Actinomycosis of mandible gingivae.
6494

On antibody metabolism in pigs and calves, following the application of homologous and heterologous specific gamma-globulins.
6718

Colostral immunity against salmonella infection in calves.
6794

Observations on crooked calf disease.
6814

Lupine, a cause of crooked calf disease.
6815

The role of Escherichia coli in gastroenteritis in newly-born calves in the District of Tolbuhin.
6832

Investigations of antiviral substances present in normal horse and calf sera.
6883

CAMELLIA
Growing camellias.
5859

CAMELS
Getting rid of camel mange.
6897

CAMOMILE
The effect of trace elements on the yield and quality of camomile flowers and peppermint leaves.
7282

CAMPONOTUS
Insect venoms, attractants, and repellents. XI. Massoilactone from two species of formicine ants, and some observations on constituents of the bark oil of Cryptoearya massoia.
5257

CANCER
Agricultural pesticides and their detractors.
7080

Maximum place of work concentrations of health-endangering industrial materials.
7154

CANDIDA
Yeasts and yeast-like fungi in the genital organs of cows and heifers. V. Genital candidiasis and abortions caused by yeasts belonging to the genera Candida, Trichosporon and Saccharomyces.
6608

CANDIDA ALBICANS
Immunofluorescent and immunophoretic data on antigenie properties of Candida albicans.
6490

Relationships of X-irradiation to the enhancement of Candida albicans infections.
6599

CANINE DISTEMPER
The use of measles vaccines in the immunization of the dog.
6453

Sprayable or subcutaneously adminstrable vaccine for the immunization of mustclines against distemper and process for its preparation. Patent 3,420,934.
6454

The natural occurrence of canine L. icterohaemorrhage infection. A survey during ten years (October 1957-September 1967).
6463

Resistance against canine distemper induced by measles virus. I. Measles vaccination in the presence of distemper antibodies.
6782

CANKER
Perennial canker and bull's eye rot of apples.
6007

CANNED FOOD
Salmonella food poisoning associated with imported canned meat.
7050

Causes of can swelling and blackening of canned baby clams. 3. Bacteriology and chemistry of sea-bottom mud involved in can spoilage.
7069

CANTALOUPES
The inheritance of resistance to powdery mildew in the cantaloupe variety seminole.
5953

CANTHARIDAE
Coleoptera: Cantharidae, Malachiidae and Dasytidae from New Caledonia, New Hebrides and Fiji in Bishop Museum, Honolulu.
5170

CANTHARIDES
On the biosynthesis of cantharidins. I.
5594

CANTHARIDIN
The breeding of Lytta vesicatoria in the laboratory and demonstration of cantharidin synthesis in larvae.
5468

On the biosynthesis of cantharidins. I.
5594

CAPILLARIA OBSIGNATA
Coumaphos, a new anthelmintic for control of Capillaria obsignata, Heterakis gallinarum, and Ascaridia galli in chickens.
6940

CAPTAN
Fungistatic and fungicidal effects of certain organic products on some fungi causing diseases in vegetables.
5899

Botran used as an orchard spray vs. Botran in the hydrocooler and control of post-harvest decay of peaches.
5904

Dogwood diseases.
5944

Field biology and control of Phytophthora parasitica on papaya (Carica papaya) in Hawaii.
5967

Tomato leaf mould: Its assessment and effects on yield.
6089

Fusarium foot-and-stem disease of the carnation.
6127

Bioassay of captan by zebrafish larvae.
7082

CARABIDAE
Beetle finds in the South Ticino, July 1964.
5043

Coleoptera from northeast Africa. Cicindelidae and Carabidae: Carabini.
5096

Cave Carabidae (Coleoptera) of Mammoth Cave, part II.
5211

Histo-morphology of the ovariole in Pherosophus hilaris, Fabr. (Chrabidae: Coleoptera).
5401

Synoptic tables of larvae and imagos of the species of the family Chrysotribax Reitter. (Col. Carabidae).
5548

On polymorphism within a chromosomes from populations of ground beetles Carabus auronitens Fabr.
5745

CARBAMATES
Bombs away on bugs.
5194

VPI cockroach research.
5339

Grasshopper control, 1969.
5411

The relation between temperature and lethal action of carbaryl on adults on the housefly and the oriental housefly (Diptera: Muscidae).
5490

Pasture mosquito resistance in California.
5590

Lace bugs.
5661

Bagworm.
5662

European pine shoot moth.
5663

Studies with two systemic fungicides, benlate and thiabendazole.
5962

Transitory yellowing of rice in Taiwan.
6097

Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen.
6150

Control of some pests of evergreens.
6162

Studies on a biological and a chemical method of controlling the dark rice field mosquito in Louisiana. (abstracts).
6168

Description, damage and control of the southwestern corn borer.
6188

Alfalfa weevil control, 1969.
6206

Grasshopper control 1969.
6207

Insect pests of barley and their control.
6231

Essay on insecticidal treatments on the apple fruit fly, Rhagoletis pomonella (Walsh) in southwest Quebec.
6237

Halo-substituted phenoxyethyl carbamates and derivatives thereof. Patent 3,439,021.
6334

On the effect of Sevin on sexual functions of warm-blooded animals.
6439

DDT and related chlorinated hydrocarbons: Their metabolism in the chick and their induction of microsomal ensymes.
7142

Symptoms of intoxications by poisonous pesticides. (JPRS 46216)
7143

Effect of carbaryl on the neuroendocrine system of rats.
7201

Teratogenic action of carbaryl in beagle dogs.
7202

The metabolism of 3,4-dichloropropionanilide in plants. Partial purification and properties of an aryl acylamidase from rice.
7246

Substituted and unsubstituted N-lower alkyl benzhydrylcarbamates as herbicides. Patent 3,431,099. 7358

Substituted phenyl-N-methylcarbamates. Cholinesterasis inhibition and insecticidal action. 7382

CARBARYL

Bombs away on bugs. 5194

Biology and control of leopard moth on pear trees in the United Arab Republic. 5294

The relation between temperature and lethal action of carbaryl on adults on the housefly and the oriental housefly (Diptera: Muscidae). 5490

Lace bugs. 5661

Bagworm. 5662

European pine shoot moth. 5663

Susceptibility of an alfalfa leafcutting bee to residues of insecticides on foliage. 5668

Transitory yellowing of rice in Taiwan. 6097

Field studies on the chemical control of the stem borer Chilo partellus on hybrid sorghum in India. 6143

Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen. 6150

Insecticide control of Heliothis punctigera Wallengr. II. Linseed crop, 1961. 6159

Control of some pests of evergreens. 6162

Description, damage and control of the southwestern corn borer. 6188

Insecticidal field treatments for the control of the European corn borer. Ostrinia nubilalis (Hubner) in Southwestern Quebec, 1967. 6193

Chemical control of codling moth with DDT and sevin, the resistance problem of codling moth to DDT and additional observations on the effect of fruit thinning of sevin. 6195

San Jose scale (Quadraspidiotus perniciosus). 6199

Ecology of insect vectors, forecasting, and chemical control. 6205

The South African carnation roller moth Epichoristodes acerbella (Walk.) Diakonoff. 6220

The oriental fruit moth and its control. 6223

The codling moth and its control. 6224

Control of the corn carworm on sweet corn in Eastern Nebraska. 6256

All we know about pink bollworms. 6271

On the effect of Sevin on sexual functions of warm-blooded animals. 6439

Effects of the insecticide Sevin on survival and growth of the cockle clam Clinocardium nuttalli. 7094

Effect of carbaryl on the neuroendocrine system of rats. 7201

Teratogenic action of carbaryl in beagle dogs. 7202

CARBOFURAN

Codling moth control with carbofuran. 5547

Yield reduction of oats caused by the cereal leaf beetle. 6222

CARBOHYDRATES

Oxidative metabolism of carbohydrates in phytophagous insects. I. Glycolysis in the cotton stainer Dysdercus fasciatus Signoret (Pyrrhocoridae, Hemiptera). 5189

Selective control of hoary alyssum in alfalfa. 6355

Herbicidal treatment effect on carbohydrate levels of alligatorweed. 6397

Mechanisms of pathogenesis in Listeria monocytogenes infection. III. Carbohydrate metabolism. 6866

Ancylostoma caninum: Food reserves and changes in composition with age in third stage larvae. 6928

Volatile fatty acids excreted by Fasciola hepatica, L.. 7006

CARBON

Production of cellulase, antibiotic and antitumor substances by growing Eumyces ATCC 16425 Patent 3,438,864. 6445

Populations of dalapon-decomposing bacteria in soil as influenced by additions of dalapon or other carbon sources. 7093

Influence of atrazine and varied carbon and nitrogen amendments on growth of Sclerotium rolfsii and Trichoderma viride in soil. 7236

The carbon-fluorine bond in compounds of biological interest. 7348

CARBON DIOXIDE

A carbon dioxide bait trap for collecting ticks and fleas from animal burrows. 4972

Evolution toward a single phenotype and persistance of the molting glands in Locusta migratoria cinerascens, gregarious phase, under the influence of carbonic gas. Experimental and ultrastructural study. 5498

Comparative studies on blood-stream and culture forms of Trypanosoma lewisi--I. Oxygen utilization, carbon dioxide production and glucose uptake. 6625

Oxygen and carbon dioxide affect the growth of wood-decaying fungi. 7027

Stimulatory effects of gibberelins on the growth of Chlorella pyrenoidosa (Chick). 7224

CARBON ISOTOPES

Utilization of larval cholestrol-4-C14 for reproduction in house flies fed unlabeled cholesterol in the adult diet. 5481

Oxidative metabolism of C14-labeled Baygon by living house flies and by house fly enzyme preparations. 5604

Metabolic activity of pea root ribosomes under conditions of boron deficiency. 5877

DDT-C 14 translocation in alfalfa. 6270

Synthesis of saturated long chain fatty acids from sodium acetate-1-C14 by Mycoplasma. 6772

CARBONATES

Controlling stem-end rot of ripe mango. 6035

Relationship of iron, manganese, and bicarbonate to chlorosis of rice grown in calcareous soil. 6039

CARBONYL COMPOUNDS

2,3- Pentanedione as an attractant for Hippelates (Diptera: Chloropidae). 5771

CARBONYL GROUP

Action of microorganisms on the peroxides and carbonyls of fresh lard. 7066

CARBOPHENOTHION

Studies on the strawberry mite (Tetranychus telarius (L). 6161

CARBOXYL GROUP

Anticoccidial composition containing 6,7-disubstitutedquinoline - 3-carboxylates. Patent 3,448,193. 7364

CARBOXYLIC ACIDS

The effect of furan series' carboxylic acid N, N-bis-(2-chloroethyl) hydrazides and N, N-bis-(2-chlordethyl) amides on the growth of transplantable tumours and haematopoiesis of rats and mice. 6543

CARBOXYPEPTIDASES

Pancreatic enzymes initiating excystation of Eimeria acervulina sporozoites. 6554

CARCINOGENESIS

Toxicity of pesticides to man: Risks from present levels. 7107

CARCINOGENS

Combined action of Rous sarcoma virus and chemical carcinogen in rats. 6456

Effects of aflatoxin B1 on polysomal profiles and RNA synthesis in rat liver. 6793

Synergistic toxicity and carcinogenicity of 'freons' and piperonyl butoxide. 7160

CARCINOMA

Treatment of anal tumors with Honvan-Asta. 6559

Hepatocellular carcinoma in the dog. 6586

CAROTENOIDS

Carotenoid compounds. Patent 3,446,801. 7335

CARPOCAPSA POMONELLA

Integrated control of fruit tree pests. Orchard mites. Orchard insects. 5292

New strategy against the codling moth. 5520

Codling moth control with carbofuran. 5547

Chemical control of codling moth with DDT and sevin, the resistance problem of codling moth to DDT and additional observations on the effect of fruit thinning of sevin. 6195

The codling moth and its control. 6224

CARROTS

Virus diseases of celeriac and carrots in Europe. 6133

Guide lines for the testing of materials on carrot flies on carrots. 6169

Reduction of residues of heptachlor and chlordane in carrots with soil applications of activated carbon. 7085

CASEIN

Effect of a soluble fraction of oil seed meals on uptake of 65Zn from ca.mg.65Zn.phytate complexes by the chick'. 6690

CASSAVA
Tropical nematology.
6305

CASSIA OCCIDENTALIS
Cassia occidentalis toxicosis in cattle.
6717

CASSIDINAE
The species of the sub-family Cassidinae (Chrys., Col.) in Bulgaria.
5052

CASTORBEANS
Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen.
6150

Countering the castor semi-looper.
6236

Studies on the antifeedant against the catterpillars of Pericallia ricini F. (Arctiidae) and Spodoptera littoralis Boesd. (Noctuidae: Lepidoptera) on castor (Ricinus communis L.).
6259

CATAGLYPHIS BICOLOR
Optical orientation mechanisms in the homing behavior of Cataglyphis bicolor Fab. (Formicidae, Hymenoptera).
5671

Homing in the ant Cataglyphis bicolor.
5672

CATALASE
Metabolic substances of Staphylococcus aureus of bovine udder origin - a quantitative study.
6739

Influence of some preparations applied into the udder on the pH, microscopic cellular appearance, California Mastitis Test and on the content of catalase and chlorides in milk.
6837

Formation of symmetrical azo derivatives of monochlorotoluidines by peroxidatic catalysis.
7259

CATALOGS
Three new southern African species of Oobius Trjapitzin, 1963 (Hymenoptera: Encyrtidae).
4988

Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. LXV. Lepidoptera Hesperiidae.
4998

Notes of larvae of aquatic Coleoptera in the Ethiopian region (Western and Equatorial Africa).
4999

Mosquitoes from the western Balkan mountains.
5001

Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. XLIV. Coleoptera Elminthidae.
5016

Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. XLIII. Orthoptera Eusmastacidae.
5017

New Melolonthids (Col.).
5036

A key to all stages of the British species of the family Neobisiidae (Pseudoscorpiones: Diplosphyronida).
5037

The genus Trichopsidea Westwood, with a discussion of its relation to other genera of Nemestrinidae (Diptera).
5049

The Alysiinate (Hym. Braconidae) parasites of the Agromyzidae (Diptera). V. The parasites of Liriomyza Mik and certain small genera of Phytomyzinae.
5051

Notes on the Trigonoderus-group (Hym., Chalcidoidea).
5056

Contribution to the faunal list of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentrics. LXI. Coleoptera Anthribidae.
5069

Faunistic studies on some acari of the families Myobiidae and Cheyletidae, parasitizing on small mammals in Bulgaria.
5084

The capture of Diptera Simuliidae by night in a dry grassland zone.
5086

Investigation into the Synanthropic flies in the family Muscidae (Dipt.) in Bulgaria.
5088

Catalogue of the Oedemeridae of Italy (Coleoptera).
5095

Coleoptera from northeast Africa. Cicindelidae and Carabidae: Carabini.
5096

Description of a new species of the genus Bovicorina Delamare Deboutteville 1947 (Collembola, Symphylla) and a key for identification of the species in the genus.
5097

Notes on some larval and pupal chironomids (Diptera) from Lake Kariba, Rhodesia.
5101

Contribution to the arthropod fauna of the resins of large caves and the kyffhausers. III. Coleoptera.
5103

A revision of the fern aphids of Japan with descriptions of three new species (Homoptera: Aphididae).
5104

The electrentomoid psocids (Psocoptera).
5105

The genera of Palearctic Tortricidae. II. The subfamily Olethreutinae 7th part. Eucosmini (Heinr. 1923) tribe--continuation.
5115

On the knowledge of German fleas. II. Fauna and Ecology of the fleas of birds (Insecta, Siphonaptera).
5121

Genera and species of the Dermaptera. 10. Forficulinae (Forficulidae).
5122

North American species of Taeniopteryx (Plecoptera, Insecta).
5132

Preliminary note on a review of subgenus Taeniothrips (Isochaetothrips) (Thysanoptera: Thripidae).
5139

New contribution to the knowledge of the Italian Psychodidae (Diptera).
5141

Notes on synomynus of African Reduviidae.
5164

Catalogue of the Coleoptera Cetoniidae in the Leiden Museum. I. Goliathus Lamarck, sensu lato.
5168

Redescription of Sycaphaginae from Ceylon and India, with description of lectotypes, and a world catalogue of the Otitesellini (Hymenoptera, Chalcidoidea, Torymidae).
5169

Friedrich Klugs material of Scoliidae with especial reference to his type-specimens.
5239

Studies on Opilioacarida (Arachnida). II. Redescription of Paralarus hexophthalmus (Redikorzev).
5350

The Norwegian species of Dichrorampha Gn. Lep. Tortricidae.
5505

The gamasid mites (Parasitiformes, Gamasoidea) of the Pavlodar province of Kazakhstan.
6906

Investigation into the Helminthid fauna of deer (Capreolus (aprcolus L.) in the Bulgaria. II. Material on the Helminthed fauna of deer (Capreolus capreolus L.) in the Balkan mountains.
6957

Stored grain insects as carrier of fungi.
7034

The murids in the vicinity of Lake Kivu and neighboring regions (Central Africa) and their ecology.
7045

CATECHOL
2,4-D metabolism. Enzymatic hydroxylation of chlorinated phenols.
5784

2,4-D metabolism; enzymatic degradation of chlorocatechols.
5785

Morphological transformations and lysis of Halobacterium salinarium by 4-(2,4-dichlorophenoxy)butyric acid and related compounds.
6377

CATECHOL AMINES
Histochemical premises to the study of the adrenal medullary tumors of cattle.
6703

CATENARIA
Catenaria vermicola on nematodes in India.
6304

CATERPILLARS
A simplified method of freeze-drying caterpillars.
4969

The butterfly in the vernacular.
5079

A bioassay to characterize strains and preparations of Bacillus thuringiensis Berliner.
5451

Porina and grassgrubs put curbs on production.
6187

A mite to combat coconut caterpillar.
6218

Navy bean pests.
6238

Pests of legume seed crops in north Queensland.
6245

CATFISH
Hematological effects of apholate on channel catfish (Ictalurus punctatus).
7156

CATOCALA
Continuous variation in related species of the genus Catocala (Noctuidae).
5180

CATS
Viral lung diseases of the cat.
6546

Chronic panleukopenia in cats.
6565

Toxoplasma gondii: Fecal forms separated from eggs of the nematode Toxocara cati.
6582

Feline infectious anemia (Haemobartenella felis) diagnosis and treatment.
6594

Bone marrow changes in the course of feline infectious enteritis (agranulocytosis).
6619

Feline osteodystrophy, its treatment and prevention.
6639

An unusual case of pseuoomonas conjunctivitis in a Siamese cat.
6663

Vaginal papilloma of the cat.
6706

Establishment and characterization of a feline neurofibrosarcoma (FNFS) cell line.
6746

Comparative susceptibilities of the cat and the domestic pig to the west African strain of Trichinella spiralis. (Owen, 1835).
6947

Diagnosis and treatment of poisoning in cats and dogs. 7183

CATTLE

Ixodes ricinus borne parasites of cattle in the Netherlands. 6210

Shell products for animal health. 6423

A study of natural pastures in Madagascar. Productivity and pratical applications. 6427

S.N.F. content of milk. 6446

Observations and ethological considerations on lesions caused by faults in the construction of stalls in some cattle herds. 6450

The effect of mastitis on the freezing-point of cows' milk. king, j o l. 6451

Interstate transportation of animals and poultry. Brucellosis. Miscellaneous amendments. 6462

Serological survey on the incidence of bovine leptospirosis in the province of Belluno. 6464

Hot debate boils over vaccines. 6469

Some observations on the incidence of Brucellosis in animals in West Pakistan. 6471

A progressive spastic syndrome in cattle. 6481

Enzootic abortion and sterility from bovine leptospirosis in the Po valley. 6488

The significance of the manganese content in the hair of cattle. 6492

Duration of rinderpest virus excretion in cattle immunized with an inactivated vaccine. 6496

A note on homologous strain immunity in Babesia argentina infections. 6509

Magnetic probes in prophylaxis and therapy of traumatic reticuloperitonitis in cattle. 6514

Vaccination of bulls against bovine vibriosis. 6521

The immunity induced in cattle and sheep by inoculation of neurotropic or pantropic Rift Valley fever viruses. 6523

Experimental infection of cattle with pantropic Rift Valley fever virus. 6524

Urine pH changes in cattle infected with foot-and-mouthdisease virus. 6535

Observations on the causes of chronic bloating in young cattle. 6537

Polioencephalomalacia: Response to thiamine treatment in sheep and a cow. 6539

Study of the virulence of Contagious Bovine Pleuropneumonia organism (Assam strain) on subcutaneous pathogenicity test. 6542

Trypanotolerant cattle, Breeding in Central African Republic. 6550

Contribution to the study of prophylaxis of bovine pneumonia in the Republic of Haute-Volta. 6551

Use of potassium iodide in the treatment of ovarian cysts in cows. 6552

Application of the agar gel technique in the diagnosis of infectious bovine rhinotracheitis. 6567

Controlling bloat in cattle grazing clover. 6578

A proposed method of premunizing cattle with minimum inocula of Anaplasma marginale. 6579

Locoweed poisoning. 6581

Microscopic skin lesions in cattle with foot-and-mouth disease. 6587

Bovine respiratory disease, diagnosis and control. 6593

Ergot poisoning of cattle grazing Dallisgrass. 6596

The application of ultrasound in the treatment of mastitis in cows. 6598

Some observations of hypomagnesemic tetany in cattle. 6606

Yeasts and yeast-like fungi in the genital organs of cows and heifers. V. Genital candidiasis and abortions caused by yeasts belonging to the genera Candida, Trichosporon and Saccharomyces. 6608

On the mineral content of the Swiss meadow fodder and its relationship to herd sterility. 6616

Experimental studies on bovine mycotic placentitis. 6627

Observations of infectious diarrhea as part of the shipping fever syndrome in feedlot cattle. 6631

Cultural characters and serological relationships of some mycoplasmas isolated from bovine sources. 6641

Immunization against East Coast Fever using tick infections and chlortetracycline. 6643

The incidence of clinical babesiosis in cattle in Queensland. 6651

The effect of social and economic changes in the People's Republic of Bulgaria on morbidity from anthrax. 6661

Diagnosis of cow mastitis based on leukocyte count in milk. 6668

Animal leptospirosis in Primorye. 6671

Diagnosis and spread of the subclinical forms of mastitis in cows. 6676

Abortion in cattle associated with the feeding of poultry litter. 6679

An investigation into bovine anaplasmosis with complement fixation test (CFT). 6685

Metastatic uterine adenocarcinoma in the cow. (A recognizable clinical entity). 6694

Pathogenetic therapeutics in cases of cow mastitis. 6697

Bovine leukaemia. A report of four cases. 6698

The control of contagious abortion. 6702

Histochemical premises to the study of the adrenal medullary tumors of cattle. 6703

Abortion in sheep and cattle associated with Bacillus spp. 6708

Vaccination of cattle against epizootic bovine abortion. 6715

Cause and prevention of epizootic bovine abortion. 6716

Cassia occidentalis toxicosis in cattle. 6717

Foot-and-mouth disease in England. 6721

The isolation of Leptospira sejroe from the kidneys of aborting cattle. 6724

Specific activation of the properdin system in orientation experiments for a therapeutic control of bovine leukosis. 6727

Viral etiology of the bovine lympholeukosis. 6729

Incidence of udder infections arising at various stages of lactation of cows. 6734

Metabolic substances of Staphylococcus aureus of bovine udder origin - a quantitative study. 6739

Contribution to the traumatic splenitis and hepatitis in cattle. 6740

Incidence of bovine coccidia in western Oregon. 6748

Influence of a papilloma vaccine on chronic bovine enzootic hematuria. 6757

Beware of brucellosis. 6761

The role of the hypophyseal-suprarenal system in the etiopathogenesis of primary ketosis in cattle. 6767

Pre-disposing factors in mastitis. III. Genetic influences on udder health. 6778

Rinderpest protection in cattle by measles virus. Application in calves with passive immunity from maternal antibodies. 6779

Identification of a piroplasme found with sufficient frequency in our cattle. 6790

Bovine herpes mammillitis virus. III. Observations on experimental infection. 6796

Interstate transportation of animals and poultry. Brucellosis. Designation of modified certified brucellosis areas, public stockyards, specifically approved stockyards, and slaughtering establishments. Modified certified brucellosis areas. 6798

On antibiotic-antimycotic therapy in cattle mastitis. 6802

An outbreak of male fern (Dryopteris filix-mas) poisoning. 6822

Effect of paddock size, stocking rate, anthelmintics, and trace elements on the weight gain of young cattle. 6828

Experiences and ideas regarding cattle tuberculosis sanitation in a state practitioners area. 6834

Cystic endometrium in Western Australian cattle. 6841

Experimental studies on bovine tick-borne fever. I. Clinical and haematological data, some properties of the causative agent, and homologous immunity. 6844

Role of calcium in the nutritional etiology of a metabolic disorder in ruminants fed a high grain ration. 6857

Polioencephalomalacia: Response to thiamine treatment in sheep and a cow. 6867

Cattle bloat in southern New England, N.S.W. 1961-66. 6874

Effect of exogenous progesterone on Corpora lutea in unilaterally hysterectomized heifers. 6876

Adrenal neoplasms in slaughtered cattle. 6877

The occurrence of the capillate louse, Solenopotes capillatus, in South Africa. 6887

A record of the mite, Speleognathus australis, in bovines in South Africa. 6888

Cattle lice; how to control them. 6889

Cattle fatality caused by bites of Odagmia ornata (Diptera, Simuliidae). 6895

Advances in cattle ectoparasite control with a discussion of some problems related to treatment with systemic insecticides. 6902

Attacks on cattle by mosquitoes and biting midges. 6908

Effects of gastrointestinal nematode parasites on performance in feedlot cattle. 6912

Evaluation of parbendazole as an anthelmintic in cattle. 6919

Amino acid composition of some strongyle parasites of cattle. 6952

The epizootiology of dicroceliosis in the province of Leon. 6967

Cattle paramphistomatidosis in Polesye. 6972

Clinical observations and studies regarding the etiology of enzootically occurring bovine keratoconjunctivitis, with particular consideration of Thelazia. 6992

Bovine Ostertagia infection. Bibliography organized around the disease, its treatment, and its prevention. 6997

Visceral cysticercosis in bovine animals. 7000

Treatment of gastrointestinal parasitism of cattle with Parbendazole. 7004

Observations on the occurrence of Thelazia or eyeworm infection of cattle in Northern New South Wales. 7010

Epidemiology of helminth infestation of beef cattle in central Queensland. 7019

The effect of a pretreatment with phenobarbital on the metabolism of DDT in dairy cows and young bulls. 7086

Zieria arborescens (stinkwood) intoxication in cattle. 7188

Residues in the body fat of steers fed kelthane in their ration. (Abstract). 7192

Fluorosis in cattle and sheep, observed around industrial plants in Bulgaria. 7205

CATTLE BREEDS

Susceptibility of European Zebu crossbred cattle to lapinsed rinderpest vaccine. 6484

CATTLE RECORDS

Zootechnical initiatives carried out during 1966. 6422

CATTLEYA

Botrytis flower spot control in orchids. 6037

CAULIFLOWER

Detection of Plasmodiophora brassicae races 2 and 6 in Ontario. 6056

CAVE FAUNA

New species of Pseudosinella from caves (Insecta: Collembola). 5045

Contribution to the arthropod fauna of the resins of large caves and the kyffhausers. III. Coleoptera. 5103

CCC

Effects of 2-chloroethyl-trimethylammonium chloride (CCC) on yield and lodging of wheat. 7313

CEANOTHUS

The biology and control of the Ceanothus stem-gall moth, Periploca ceanothiella (Cosens). 5446

CECIDOMYIIDAE

A critical note on The structure and function of sternal spatula in gall midges by S. N. Prasad and P. Grover. 4989

Morphology, anatomy and development of the gall of Rhabdophaga ramicola rubs. in Salix purpurea L. 5449

Notes on gall-midges from Israel and their parasites. 6178

A contribution to the study of the zoocecidia of Snowdonia National Park and adjacent parts of North Wales. 6212

Insect pests of barley and their control. 6231

CECIDOPHYOPSIS RIBIS

The red currant gall mite can be controlled by spraying. 6268

CELERIAC

Virus diseases of celeriac and carrots in Europe. 6133

CELERY

Biosynthesis of furanocoumarins in diseased celery. 5929

CELL DIVISION

Environmental and genetic variations of wing size, cell size and cell division rate, in Drosophila melanogaster. 5700

An injection method for treating Hemerocallis spikes with colchicine. 7229

CELL WALL

X-ray analysis of hyphal and sclerotial walls of Sclerotium rolfsii Sacc. 5059

Effects of penicillin and glycine on cell wall glycopeptides of the two varieties of Vibrio fetus. 6585

Auxin and wall extensibility: Reversibility of auxin-induced wall-loosening process. 7233

CELLOPHANE

Controlling stem-end rot of ripe mango. 6035

CELLS

The diversity of cell types in the neurosecretory system of the beetle Blaps mucronata. 5308

The imaginal cells of the clypeo-labrum and the development of the proboscis of Drosophila melanogaster. 5321

Flea Ctenophthalmus: Heterogeneous hexagonally organized layer in the midgut. 5558

Cytochemical studies on the neurosecretory cells of the brain of Labidura riparia Pallas (Dermaptera). 5611

Environmental and genetic variations of wing size, cell size and cell division rate, in Drosophila melanogaster. 5700

Immuno-fluorescent study of antibody formation in immunization of guinea pigs with a live brucella culture. 6478

Characterization of a cytoplasmic fraction from Sindbis virus-infect ed cultures. 6553

Hepatocellular carcinoma in the dog. 6586

Establishment and characterization of a feline neurofibrosarcoma (FNFS) cell line. 6746

An autoradiographic and immunofluorescent study of the infectious cycle of sheeppox virus in cell cultures exposed to 5-fluorodeoxyuridine. 6855

Cell culture techniques for primary isolation of Marek's disease-associated herpesvirus. 6872

Multiplication and differentiation of Trypanosoma cruzi in an insect cell culture system. 6875

Effect of DDT and dieldrin on RNA and protein synthesis in subcellular fractions of HeLa S cells. 7097

Effects of indoleacetic acid on intracellular distribution of Beta-glucanase activities in the pea epicotyl. 7237

Distribution of labelled plant growth regulators within cells. 7321

CELLULASE

Production of cellulase, antibiotic and antitumor substances by growing Eumyces ATCC 16425 Patent 3,438,864. 6445

Effects of indoleacetic acid on intracellular distribution of Beta-glucanase activities in the pea epicotyl. 7237

CELLULOLYTIC ENZYMES

Cellulytic and pectolytic enzymes in the nematode, Aphelenchus avenae. 6285

CELLULOSE

X-ray analysis of hyphal and sclerotial walls of Sclerotium rolfsii Sacc. 5059

Some factors that condition feeding in larvae of the migratory locust, Locusta migratoria migratorioides (Orthoptera, Acrididae). I. External factors. 5613

CENTRAL NERVOUS SYSTEM

Mechanism of rhythmic synchronous flashing of fireflies. 5243

Central control of an insect segmental reflex. II. Analysis of the inhibitory input from the metathoracic ganglion. 5311

Central nervous system control of circadian rhythmicity in the cockroach. II. The pathway of light signals that entrain the rhythm. 5500

Central nervous system control of circadian rhythmicity in the cockroach. III. The optic lobes, locus of the driving oscillation . 5501

Morphological cell death in the post-embryonic development of the insect optic lobes. 5503

Dishabituation and arousal in the response of single nerve cells in an insect brain. 5568

Infectious disease review: newer concepts of rabies. 6563

Distribution of experimentally induced scrapie lesions in the brain.
6580

Central-nervous-system lesions of spontaneous Pasteurella anatipestifer infection in ducklings.
6654

Pathomorphological studies on rabbits and guinea-pigs experimentally infected with the virus of Aujeszky's disease.
6854

Investigations on the viruses of the Orphan type occurring in pigs in Polannd. V. Histopaphological changes in the central nervous system of piglets infected with virus L1.
6885

Central neurotoxic effects of the venoms of Naja naja and Vipera palestinae.
7179

Diagnosis and treatment of poisoning in cats and dogs.
7183

CENTRIFUGATION
Separation of top and bottom components of alfalfa mosaic virus by combined differential and density gradient centrifugation.
5913

Characterization of bovine viral diarrhea viruses. I. Determination of huoyant density.
6574

CERAMBYCIDAE
New Lamiidae from the British Museum (Natural History), (Coleoptera, Cerambycidae).
5002

Systematic revision of the species of the genus Oberea Mulsant all over the world. (Coleoptera Cerambycidae). Second part.
5003

Systematic revision of the species of the genus Oberea Mulsant all over the world. (Coleoptera Cerambycidae) Third part.
5004

Beetle finds in the South Ticino, July 1964.
5043

Maryland arborists discuss insect control.
6221

CERATITIS CAPITATA
Observations on various treatments applied in Lebanon in 1966 against Ceratitis capitata Wied.
5392

CERATOCYSTIS ULMI
On the elm-tree dieback.
6043

Nitrogenous compounds in the xylem sap of American elms with Dutch elm disease.
6083

CERATOPHYLLUS GALLINAE
Uptake of atmospheric water by the hen flea Ceratophyllus gallinae (Schrank).
5377

CERATOPOGONIDAE
Tests of larvicides for control of salt-marsh sand flies (Culicoides), 1967.
5750

Attacks on cattle hy mosquitoes and biting midges.
6908

CERCOPIDAE
The male genetalia of Sepullia murrayi (Fairmaire Signoret (Homoptera: Cercopoidea).
5326

Composition, structure, and mode of formation of mineral granules in the middle intestines of the homopteran Cercopidae.
5334

Control of insects on alfalfa and red clover.
6185

CERCOSPORELLA HERPOTRICHOIDES
The influence of CCC on disease contraction of grain.
7322

CESIUM ISOTOPES
Effects of simulated radioactive fallout decay on growth and yield of cabbage, maize, peas and radish.
7298

CESIUM-137
Distribution of Strontium 90 and Cesium 137 in dairy products in the processing of ewe's milk. 2. In white brined cheese.
7140

CESTODA
Eurycestus avoceti Clark, 1954 (Cestoda, Cyclophyllidaen parasite of the Avocet in Camargue.
6914

Morphologic and histochemical studies on the nervous system of tapeworms revealed by the cholinesterase method (Taenia hydatigena, Dipylidium caninum and Moniezia expansa).
6963

The guilty fox.
6977

Ectoparasites and helminth endoparasites of the tree squirrels of southwest Tennessee.
6982

A survey of parasites in laboratory primates.
6998

On the infection of the Lithuanian birds by the cestodes.
7018

CEUTORHYNCHUS ASSIMILIS
New insecticides against pests of rape and beets.
6248

CHALCIDIDAE
New contributions to the study of chalcids in the Socialist Republic of Rumania (XIV).
5234

CHALCIDOIDEA
Notes on the Trigonoderus-group (Hym., Chalcidoidea).
5056

Figs (Ficus spp.) and fig-wasps (Chalcidoidea).
6190

CHAOBORUS
Resistance of Chaoborus Light. larvae to lack of food.
5607

The behaviour of Chaoborus Licht. larvae under unfavourable oxygen conditions.
5608

CHEESE
Distribution of Strontium 90 and Cesium 137 in dairy products in the processing of ewe's milk. 2. In white brined cheese.
7140

CHELATION
Iron chlorosis in relation to irrigation practices.
6123

CHELONETHIDA
A probable troglobiont Pseudochthonius (Pseudoscorp.) from Brazil.
4996

Parachernes (Arachnida, Chelonethida, Chernetidae) from the coast of North Carolina.
5107

The cheliceral flagellum of pseudoscorpions.
5231

CHEMICAL ANALYSIS
Chemotaxonomy and chemomimicry: The case of 3-hydroxykynurenine.
5006

Amino acid composition of some strongyle parasites of cattle.
6952

Pesticide levels and fluctuation in soil bacteria in an irrigated field and a pond of southwest Texas.
7137

Pesticide residues; history, alternatives and analysis.
7138

Separation and quantitative analysis of the active ingredient dimethoate and of its changed components contained in emulsions and wettable powders.
7325

Organophosphorus pesticides. A gas chromatographic screening technique based on the detection of methylated hydrolysis products.
7326

Gas chromatographic analysis of dalapon in water.
7342

The chemistry of GS 13005, a new insecticidal phosphoric acid ester.
7368

Estimation of DDT in factory waste.
7372

CHEMICAL CONTROL (ANIMAL DISEASES)
A new compound effective against acute fascioliasis in sheep.
6921

CHEMICAL CONTROL (INSECTS)
Field test of lindane against overwintering broods of the western pine beetle.
5094

Ants in the home and garden; how to control them.
5184

How to control bed bugs.
5185

Controlling the Japanese beetle.
5187

Bombs away on bugs.
5194

Hard to kill pests of fruit trees - woolly apple-aphid.
5195

Early season insects no problem for B. A. Jordan.
5196

New thrust against boll weevils.
5208

Observation on Laspeyria pactolana Zell.: A pyralid of verticillate Picea.
5214

Contribution to the knowledge of the Cosmopolites sordidus (Germar) (Coleoptera, Curculionidae). (2).
5216

Cotton pests control by ultra low volume spraying from the air.
5228

Effects of reroductive-diapause boll weevil (Heliothis zea Boddie) insecticidal control programs on the abundance of bollworms and tobacco budworms (Heliothis virescens F.) in cotton in the rolling plains of Texas, 1967.
5236

Juvenile hormone: Activity of natural and synthetic synergists.
5238

A low volume spray system for twin-engine aircraft used in mosquito control.
5246

Control of grasshoppers (Phaulacridium vittatum) by ultra-low volume aerial application of technical maldison.
5253

Spraying in mustard is a must.
5258

Incorporation of tritiated thymidine into the ovarian DNA of stable flies: Effects of treatment with apholate.
5259

Sterilization of female mosquitoes with a hormone derived from male mosquitoes, Patent 3,450,816.
5272

Chemosterilization of screw-worm flies, Cochliomyia hominivorax (Coquerel) (Diptera: Calliphoridae): Influence of age at treatment and mating, effect on survival, and transfer of chemosterilant by contamination.
5275

Biology and control of leopard moth on pear trees in the United Arab Republic.
5294

The control of the house fly in the city of Tunis.
5297

Simple, safe, effective fly control for dairy farms.
5301

Tobacco insect control.
5315

Pyridine composition and method for attracting insects. patent 3,325,355. 5330

Effects on aquatic insects of forest spraying with phosphamidon in New Brunswick. 5336

VPI cockroach research. 5339

Controlling insects with furoyloxy-alkenyl thio phosphates. Patent 3,433,865. 5340

Studies on control of house flies in Egypt by chemosterilants. I. Laboratory studies on Musca domestica vicina. 5346

DDT resistance in Oncopera. 5355

Control home vegetable garden insects. 5358

On the biology of Simulium damnosum Theobald, 1903, the main vector of onchocerciasis in the Mahenge Mountains, Ulanga, Tanzania. 5360

Effects of forest spraying with DDT on aquatic insects of salmon streams in New Brunswick. 5380

Temperature effects on the toxicity of five insecticides against five species of stored-product insects. 5384

Gesapon for insect pests. 5387

Laboratory tests of larvicides for mosquito control in potable waters. (abstract). 5389

Chemosterilization of the two-spotted spider mite. I. Effect of chemosterilants on the biology of the mite. II. Histopathological effect of apholate and 5-fluorouracil on the reproductive organs. 5390

Chemosterilization of the two-spotted spider mite. IV. Effect on population. 5391

Observations on various treatments applied in Lebanon in 1966 against Ceratitis capitata Wied. 5392

Grasshopper control, 1969. 5411

Effect of aerial spraying for the control of green rice leafhopper in autumn. Transl. 17058. 5425

House fly control by chemical sterilization with apholate. 5430

A molecular bomb for the war against insects. 5441

The biology and control of the Ceanothus stem-gall moth, Periploca ceanothiella (Cosens). 5446

The leatherjacket risk grows. 5447

Southern tree chapter briefed on borer control. 5459

Mosquito control agents derived from petroleum hydrocarbons. III. The effect of FLIT MLO on first and second larval instars. 5470

Insect and mite control on ornamentals. 5471

Home garden insect control. 5472

A new chemical for control of scarlet and pink mite. 5484

Control of pasture Aedes mosquitoes by dripping larvicides into flowing water, with notes on residues in a pasture habitat. 5486

A possibility of using dimethyldichlorvinylphosphate in the fight againt red cockroaches. (abstract). 5495

Trial of carbophos on larvae of Aedes and Culex mosquitoes. 5504

A list of names of insect control chemicals to be used in Entomology Research Division manuscripts. 5507

Evidence of a nonspecific type resistance to insecticides by a resistant strain of the tobacco budworm. 5516

New strategy against the codling moth. 5520

Pest control by the biological method. 5523

New horizons in the fight against insects. 5524

Insecticide resistance in the house fly: Decreased rate of absorption Is the mechanism of action of a gene that acts as an intensifier of resistance. 5532

On the use of Bacillus thuringiensis-insecticide combinations to control insect pests. 5537

Codling moth control with carbofuran. 5547

Lindane: Metabolism to a new isomer of pentachlorocyclohexene. 5552

Vapona for the control of museum pests. 5576

Pasture mosquito resistance in California. 5590

Control of household insects. 5593

Michigan's priority war on mosquitoes. 5601

Insecticidal and acaricidal effect of some binary mixtures. 5627

Lawn insects; how to control them. 5658

Development and study of filler composition of aerosol dispensers for controlling flying insects. 5660

Lace bugs. 5661

Bagworm. 5662

European pine shoot moth. 5663

Integrated and harmonious control of insect pests. 5667

Susceptibility of an alfalfa leafcutting bee to residues of insecticides on foliage. 5668

Controlling insect pests in header-harvesters. 5678

Systemics, a new tool for the home gardener. 5688

Insecticide resistance in the home of Culex pipiens fatigans Wiedemann. 5708

Unique problems in insect and pest control of NASA's Mississippi Test Facility. 5755

Report of thirty-ninth annual meeting. 5756

On the larvicidal action of crude cashewnut shell oil. 5757

Control of anopheline species in the Canal Zone with ultra-low volume sprays of malathion and fenthion. 5759

Malaria and victory in Vietnam. 5763

Public health pesticides. 5764

Mosquito control and/or honey bees. 5769

Efficacy of use of some phospho-organic compounds as acaricides in foci of tick-borne encephalitis. 5772

Synthetic routes to 1,1,1-trichloro-2,2-Bis(p-chlorophenyl) ethane-2-d, deutero-DDT. 5774

Crop prot ection; computers, simazine, corn seed beetle. 5780

1969 fruit spraying recommendations for commercial growers. 5802

1969 fruit spraying calendar, for commercial fruit growers. 5804

Pesticide application for fruit trees at the of winter and in the spring. 5820

Growing vegetables in South Dakota. 5832

Plant protection. Bulletin of the plant protection station of Geneva. January. 5844

Figs for commercial and home orchards in Louisiana. 5850

Chemical control of harmful insects. 5996

Control of vegetable insects and diseases. 6017

Penyakit merah disease, a virus infection of rice in Malaysia. 6085

Transitory yellowing of rice in Taiwan. 6097

Experiments to control acorn weevils with systemic insecticides. dorsey, c k. 6142

Field studies on the chemical control of the stem borer Chilo partellus on hybrid sorghum in India. 6143

The water weevil problem. 6146

Resistant corn rootworms... A probl em almost everywhere. 6149

Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen. 6150

The biology, ecology and control of Vanapa oberthuri Pouill. Coleoptera; Curculionidae in hoop pine Araucaria plantations in New Guinea. 6152

Disulfoton as a systemic insecticide for control of adult white-fringed beetles on peanuts. 6153

Insect pests of pulse crops. 6157

Alfalfa insects in Ohio. 6158

Insecticide control of Heliothis punctigera Wallengr. II. Linseed crop, 1961. 6159

Factors affecting the appearance of holly oaks in Southern California. 6160

Studies on the strawberry mite (Tetranychus telarius (L). 6161

Control of some pests of evergreens. 6162

Baits for the control of leaf-cutting ants. I. Formulation. 6166

Studies on a biological and a chemical method of controlling the dark rice field mosquito in Louisiana. (abstracts). 6168

Guide lines for the testing of materials on carrot flies on carrots. 6169

Chemical control of the tea tortrix (Homona coffearia Nietner). 6171

Hylemyia cilicrura Rond. on the Dianthus cultures of Pescia and Versilia. 6174

Testing insecticides on the farm. 6181

1969 insect control guide for Colorado. I. Cereal crops, field crops, forage crops, stored grain. 6182

1969 insect control guide for Colorado. II. Vegetable crops. 6184

Control of insects on alfalfa and red clover. 6185

Insect control in cotton. 6186

Description, damage and control of the southwestern corn borer. 6188

Those hungry gypsies (Photo story). 6189

Indications on plant care for olive crop cultivation. 6192

Insecticidal field treatments for the control of the European corn borer. Ostrinia nubilalis (Hubner) in Southwestern Quebec, 1967. 6193

Timing insecticide applications for European corn borer control in Southwestern Quebec, 1967. 6194

Chemical control of codling moth with DDT and sevin, the resistance problem of codling moth to DDT and additional observations on the effect of fruit thinning of sevin. 6195

Concerning a mass population increase of the false pine webworm, Acantholyda erythrocephala Chr. in Steinfeld, Lower austria, in the years 1964-1967. Preliminary communication. 6196

San Jose scale (Quadraspidiotus perniciosus). 6199

Bloodworms- pests of rice. 6200

Pongamia cake can control tobacco beetle. 6201

Termites need no longer threaten groundnut in Nimar. 6202

Insecticide recommendtions for tobacco fields, 1969. 6203

Comparative efficacy and economics of various measures adopted for eradication of white grub beetle (Holotrichia serrata Fabricius) damaging sugarcane in Uttar Pradesh. 6204

Ecology of insect vectors, forecasting, and chemical control. 6205

Alfalfa weevil control, 1969. 6206

Grasshopper control 1969. 6207

Dryfarm wheat insects. 6208

The use of insecticides in the Swedish forestry. 6213

Old pests with new appetites. 6215

The South African carnation roller moth Epichoristodes acerbella (Walk.) Diakonoff. 6220

Maryland arborists discuss insect control. 6221

Yield reduction of oats caused by the cereal leaf beetle. 6222

The oriental fruit moth and its control. 6223

The codling moth and its control. 6224

Capsid bugs on fruit. 6225

Insect pests of palm trees. 6230

Insect pests of barley and their control. 6231

Italian beet culture. The protection against insect pests. 6233

The principle insect pests of beets and the means of their control in turkey. 6234

Countering the castor semi-looper. 6236

Essay on insecticidal treatments on the apple fruit fly, Rhagoletis pomonella (Walsh) in southwest Quebec. 6237

Navy bean pests. 6238

Delhi farmers need not be afraid of mustard aphid. 6239

Guide lines for the testing of materials San-Jose scale insect (SJS). 6241

Insects and diseases of vegetables in the home garden. 6242

Diapause gets 95 per cent kill. 6243

The banana beetle can be checked. 6244

Pests of legume seed crops in north Queensland. 6245

1969, strawberry insect and disease control. 6247

New insecticides against pests of rape and beets. 6248

The problem of leaf hoppers on paddy. 6252

Brinjal leaf roller. 6255

Studies on the antifeedant against the catterpillars of Pericallia ricini F. (Arctiidae) and Spodoptera littoralis Boesd. (Noctuidae: Lepidoptera) on castor (Ricinus communis L.). 6259

Annual pest control programs for Central California. 6260

Early spring treatment in desert areas of California and Arizona. 6261

Citrus pest control programs for California and Arizona desert areas. 6262

Concerning the problem of controlling the occurence, as well as estimating the degree of infestation of tree stands by Ips typographus L. 6263

Systemic activity of UC-21149 against the citrus red mite, citrus thrips, California red scale, and spirea aphids on nonbearing orange trees. 6265

Control peanut insects and diseases. 6266

How to control jute pests economically. 6267

The red currant gall mite can be controlled by spraying. 6268

Cotton insect pest control. 6269

All we know about pink bollworms. 6271

Bark beetles. 6273

Grow alfalfa in spite of the weevil. 6277

Can we conquer the 'mighty' mites. 6293

Orangeworms in interior districts of Southern California. 6306

Influence of certain insecticides applied for the control of Ostrinia nubilalis Hbn. on the weeds of treated surfaces. 6372

Herbicides in cotton and their compatibility with soil-applied insecticides. 6388

On the effect of Sevin on sexual functions of warm-blooded animals. 6439

Cattle lice; how to control them. 6889

1969 insect control guide for Colorado. III. Livestock pests, poultry pests, farm fly control. 6892

Getting rid of camel mange. 6897

Insect and mite pests of livestock, poultry, and farm buildings. 6899

Evaluation of acaricidal dips for control of Psoroptes ovis on sheep. 6900

Houseflies, blowflies and cluster flies. 6901

Advances in cattle ectoparasite control with a discussion of some problems related to treatment with systemic insecticides. 6902

1969, controlling insects on sheep and goats. 6905

Fumigate stored rice to reduce loss to insects. 7030

Saving stored rice from attacks of insect pests. 7037

University of Wisconsin scientists discuss insecticides and pollution. 7088

Oil deposit on grapefruit leaves with 3 types of spray equipment in relation to control of certain citrus pests. 7101

Effects of forest spraying with DDT in New Brunswick on food of young Atlantic salmon. 7111

Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary. 7113

Pesticide residues - USDA'S position. 7139

Tolerance of sheep with regard to a new phosphoric ester: Chlorfenvinphos. 7167

Chemosterilization of the two-spotted spider mite. III. Effect on host plant. 7252

Immobilizing insects by sudden reduction of body temperature. Patent 3,446,892. 7377

Air blast sprayer covers 24 rows. 7400

Log-normal spray drop distribution analyzed by two new computer programs. 7402

CHEMICAL CONTROL (NEMATODES)

The nematode of stems and tubercles (Ditylenchus destructor Thorne) as a dangerous potato pest. 6057

The golden nematode of potatoes and tomatoes. 6283

Use of nickel morpholine dithiocarbamate as a nematocide. Patent 3,450,817. 6287

Control of eelworm diseases of bananas in Western Australia. 6291

Cotton and plant parasitic nematodes. 6298

Tropical nematology. 6305

Chemical soil treatment for nematode control in tobacco. 6307

Study indicates most dairy cattle have worms. 6913

Worms in pigs. 6916

Worm control in swine. 6942

Pressurised soil fumigation equipment for control of eelworm. 7397

CHEMICAL CONTROL (PESTS)

Method of killing pests by application of an O,Odiloweralkyl phosphorodithioyl methyl-substituted mercaptoacetate. Patent 3,433,870. 5345

Insects and related pests of house plants; how to control them. 5395

Fewer pesticides- More control. 5656

Pesticide use. 5779

Pesticidal use of benzothiophenes and benzothienothiophenes. Patent 3,433,874. 5792

Man insects and pesticides. 5817

Science and sense. As presented to the Weed Society of America, February 8, 1966. 5819

Ultra low volume spraying of cotton. 5822

Notes on pesticides and weedicides. 5823

The present status of rice pest research and control. A literature review. 5827

Herbicide action on Fusarium graminearum Schw. 5831

Plant protection is also health protection. 5849

Home fruit spray guide. 5959

A new disease of bananas in the Cauca Valley: a bacteriosis. 5999

Effect and compatibility of nutrient sprays with insecticides and fungicides for groundnut (A. hypogea). 6063

DDT and the farmer. 6148

Controlling peach yellows in a peach breeding program. 6232

A guide to the use of pesticides for the control of agricultural pests. 6240

Fruit spray program for the home orchardist. 6257

Snails and slugs in Central California. 6413

Anticoagulant resistance. (Part 2). 6640

Chemical molluscacides and the prophylaxis of helminthiases which can be transmitted to man by freshwater Gasteropods. 6934

New possibilities of pest control in mills and flour storages by DDVP chemicals. 7035

Control of rodents. 7043

Note on the evaluation of the efficacy of rodenticides. 7044

Agricultural pesticides and their detractors. 7080

Pesticide residues are not a problem. 7099

Organochlorine pesticides in seals. 7109

The effect of sex and age on the response to warfarin in a non-inbred strain of mice. 7198

Juice quality of grapefruit following June versus September applications of a 412 paraffinic petroleum oil with data on control of certain pests. 7238

Chemistry of pesticides. (JPRS 47038) 7360

Killing of pests with alkyl sulfonamide phosphates and phosphonates. Patent 3,446,896. 7379

Pest control's 1969 directory of pesticides. 7403

U. S. pesticide production again tops billion pound level. 7407

CHEMICAL CONTROL (PLANT DISEASES)

1969 fruit spraying recommendations for commercial growers. 5802

1969 fruit spraying calendar, for commercial fruit growers. 5804

Pesticide application for fruit trees at the of winter and in the spring. 5820

Arsenal for disease control. 5864

Results of insecticide and fungicide tests, carried out in 1966, by the Vegetable Protection Service. 5879

Fungicides and turf disease control - 1964. 5883

Controlling insects and diseases on trees. 5897

Absorption of boron by bartlett pears. 5898

Fungistatic and fungicidal effects of certain organic products on some fungi causing diseases in vegetables. 5899

New developments in the treatment of bananas before packing. 5902

Botran used as an orchard spray vs. Botran in the hydrocooler and control of post-harvest decay of peaches. 5904

Effect of 6-azauracil against apple powdery mildew and apple scab. 5909

The occurrence of some previously unreported diseases of potatoes in Mexico. 5910

Potato early blight and storage rot. 5911

Effect of 6-azauracil on infection with tobacco mosaic virus. 5914

Chemicals for control of cabbage clubroot - Plasmodiophora brassicae Wor. IV. Effect on the pathogen. 5915

The action of calcium cyanamide on the development of some basidiomycetes of wood. 5941

Chemical control of bean bacterial diseases in Wisconsin. 5951

Studies on the control of the anthracnose of Acacia dealbata caused by Glomerella cingulata Stonem. 5954

Progress through research- blue mould of tobacco. 5960

Field biology and control of Phytophthora parasitica on papaya (Carica papaya) in Hawaii. 5967

Controlling diseases of dwarf wheats. 5980

Field evaluation of a derivative of 1,4-oxathiin for control of cereal smuts. 5986

Experiments on the control of cereal smuts with a derivative of 1,4-oxathiin. 5987

Trends in disease. 6000

Fungicides for gladiolus corms. 6002

Peach leaf curl. 6006

Investigation of means for the chemical control of basal rot (Phytophthora capsici Leon.) of pepper. 6010

Suitability of several fungicides for treating soil infested with Phytophthora cactorum to prevent crown rot disease of apple trees. 6012

Control of vegetable insects and diseases. 6017

Control of Armillaria mellea with systemic chemicals. 6018

Betel's wilt disease can be kept under control. 6025

Khaira disease of rice and its control. 6028

Lemon scab (Sphaceloma fawcettii scabiosa). 6029

Sorbic acid as an inhibitor of the Fusarinm vasinfectum fungus, which induces wilt in the cotton plant. 6030

Some observations on tobacco yellow dwarf control. 6033

Investigations on chemical control of zebra disease in Agave hybrid no. 11648. 6036

Botrytis flower spot control in orchids. 6037

Mycological techniques in plant pathology. 6044

Controlling diseases of oilseed crops. 6046

Diseases of fruits and vegetables. 6050

Spraying trials against Sclerotinia diseases of plums on flowers and fruits. 6053

Moniliasis of plum-trees. Biology and methods of control. 6054

Plant insect and disease control in Peru. 6061

Zinc deficiency may limit maize yields. 6075

Barley diseases in Western Australia. 6078

Reaction of nitrosoguanidine (N-methyl-N'-nitro-N-nitrosoguanidine) with tobacco mosaic virus and its RNA. 6081

Tomato leaf mould: Its assessment and effects on yield. 6089

Pyricularia oryzae. 6098

Recent trends in disease control in coffee. 6099

Septoria spot on grapefruit in Southern California. 6101

The relationship of Johnson grass and other perennial hosts of maize dwarf mosaic virus to disease spread and control. 6108

Concluding remarks on the virus diseases of the rice plant. 6122

Leafspot of gardenia. 6126

New disease in European plums. 6129

Cucurbit diseases, an aid to identification and control. 6135

Vegetable diseases, II. An aid to identification and control. 6136

Disease control. 6138

Insects and diseases of vegetables in the home garden. 6242

1969, strawberry insect and disease control. 6247

Control peanut insects and diseases. 6266

Agricultural and horticultural fungicides-past, present, and future. 7416

CHEMICAL CONTROL (WEEDS)

Soya beans - specialist advice. 5777

Crop protection; computers, simazine, corn seed beetle. 5780

Growing vegetables in South Dakota. 5832

Report on forest research for the year ended March 1968. 5845

Lawn weed control with herbicides. 6310

Are herbicides doing their job . 6311

Proclaimed noxious weeds in Victoria. 6312

Proclaimed noxious weeds. 6313

Weed control techniques aid trials with hedge row planting of blackcurrants. 6314

Weeds that make a comeback. 6315

Tests prove diphenamid effective as herbicide. 6316

Herbicide selectivity. 6317

Weed control and the economics of direct reseeding. 6318

Progress in witchweed control seen as pest fails to spread. 6319

Weed and brush control for drainage ditches. 6320

Weed control in field brassica crops. 6321

Wetting agents, oils: Are they a plus for atrazine . 6322

Phosphoric triamide derivatives as herbicides. Patent 3,433,623. 6323

Use of herbicides in coffee nurseries with full exposure to sun. 6324

Results of herbicide tests carried out in 1966 by the Vegetable Protection Service. 6326

Problems of herbicide treatments in the potato crop. 6327

1968 cranberry weed control chart. 6330

Properties and effects of WL-9385-D on rice and some weed species. 6332

Weed control in corn. 6333

Control of the guanxumas roxa e branca in pasture with hormone-like herbicides. 6335

Results from experiments with herbicides for weed control in pea grain crops grown in Dobroudja. 6336

The effect of three fumigants on natural weed infestation in a tobacco seed bed. 6337

Repeated spraying to control southwest Oregon brush species. 6338

Application of herbicides in pulse crops. 6339

Preplanting applications of prometryne in cotton. 6340

Herbicides for weed control in sweet potatoes. 6341

Ten keys to herbicide effectiveness. 6342

Weed control in turf - 1967. 6345

After coton is up, here are ways to keep it clean. 6346

Gesatop - its uses in horticultural crops. 6347

Spraying pastures. 6348

Chemical growth inhibition in turf. 6349

Recent advances in perennial grass control in avocado orchards. 6350

Weed problems now and in the past. 6351

Chemical weed control in tropical root crops. 6352

Test weed killers yourself. 6353

The economic importance of early weed control in cereals. 6354

Selective control of hoary alyssum in alfalfa. 6355

Herbicidal N,N-dialkenyl-3-chlorobenzamides and method. Patent 3,436,208. 6356

Chemical weed control information for North Carolina, 1969. 6357

Weed control in California vineyards. 6358

Precision placement of herbicides for weed control in seedling alfalfa. 6359

Arsenic and low phosphate soils. 6360

Nagal Thakaran no longer worries about weeds. 6361

Herbicidal control of western ironweed. 6363

Effects of methods of placement on performance of trifluralin, CDEC, and DCPA applied to soil. 6364

Cultural and chemical weed control in field crops, 1969. 6365

Weed control in field crops, 1969. 6366

Experiments on the use of new chemicals in weed control in maize. 6367

Matricaria and lambsquarter control in Brassicas with analogs of propachlor. 6368

The use of herbicides for site preparation and their effects on tree survival. 6369

Broadleaf weed control in rice. 6370

Weed control in nursery sod. 6371

Influence of certain insecticides applied for the control of Ostrinia nubilalis Hbn. on the weeds of treated surfaces. 6372

The effect of some herbicides on the nitrification in soils. 6373

Chemical weed control in groundnuts. 6374

Editorial: The problem of herbicides. 6376

Postemergence weed control in soybeans. 6378

Precision methods for better weed control. 6380

Weeds in barley and their control. 6381

Weed control in turf. 6382

Pre-emergence weed control in the nursery. 6383

Alligatorweed found in Arkansas. 6384

1967 guide to chemical weed control. 6385

Control of undesirable vegetation. Patent 3,436,207. 6386

Controlling weeds in turf. 6387

Herbicides in cotton and their compatibility with soil-applied insecticides. 6388

Brush research in Texas, 1968. 6390

Methods of chemical weed control. 6391

Study of certain herbicides against weeds in garden peas. 6392

Chemical weed control in high yielding rice varieties. 6393

Chemical weed control in sweet potatoes. 6396

Herbicidal treatment effect on carbohydrate levels of alligatorweed. 6397

Experimental husbandry farm experience with herbicides and tillage systems for cereal growing. 6399

Chemical weed control in peanut crops at Katherine, Northern Territory. 6400

Studies on the weed control in the paddy field. I. On the herbicidal weed control in wet and dry nurseries. II. On the herbicidal weed control at the early stage of rice plants in the paddy field. 6401

Locoweed poisoning. 6581

These weeds mean trouble. 7042

Soil factors contributing to atrazine carryover. 7084

Industrial fertilizers as herbicides seen in the light of new and old experiments. 7102

The effect of herbicide residue in the soil on the yield of winter wheat. 7123

Cotton unaffected by systemics and herbicides. 7220

The effect of some herbicides on weediness and yield of potatoes on alluvium soil. 7227

Effects of selected herbicides upon growth of soil algae. 7265

The effect of the dose and method of using herbicide A-1802 and cultivation measures on weediness and yield of corn. 7269

The effect of herbicides and cultivation measures on the yield of corn. 7271

The effect of the application of herbicides in the control of weeds in corn fields. 7272

Influence of simazine on apparent photosynthesis of aquatic plants and herbicide residue removal from water. 7305

The influence of increasing doses of simazine upon the rate of root and green parts growth of some weeds occuring in the winter wheat stand. 7307

Response of flax to postemergence herbicides. 7314

Herbicidal, halogenated urea derivative. Patent 3,431,289. 7344

Substituted and unsubstituted N-lower alkyl benzhydrylcarbamates as herbicides. Patent 3,431,099. 7358

Application of herbicides and calibrating equipment. 7393

A sub-surface applicator for herbicides. 7399

CHEMICAL INDICATORS

Penicillin and other inhibitory substances in milk: The development and application of a routine test in New Zealand. 7061

CHEMICAL REACTIONS

Salicylanilides: A new group of active uncouplers of oxidative phosphorylation. 5679

2,4-D metabolism. Enzymatic hydroxylation of chlorinated phenols. 5784

Conversion of DDT to DDD in soil and the effect of these compounds on soil microorganisms. 5809

Synthesis of compounds related to gibberellic acid. Iii. Analogs of ring A of the gibberllins. 7327

Aspects of gibberellin biosynthesis. 7349

CHEMICALS

Flea Ctenophthalmus: Heterogeneous hexagonally organized layer in the midgut. 5558

Synthetic routes to 1,1,1-trichloro-2,2-Bis(p-chlorophenyl) ethane-2-d, deutero-DDT. 5774

Chemicals for control of cabbage clubroot - Plasmodiophora brassicae Wor. IV. Effect on the pathogen. 5915

Influence of agrotechnical and chemical treatments on the changeableness of field plant associations. 6389

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agriculture commodities. DDT. 7106

The saftey evaluation of pet products. 7204

Commonsense precautions with agricultural chemicals. 7417

Pesticide chemicals; a programmed text. TP248.P47C6. 7419

CHEMISTRY

The stimulation of 2,4-dinitrophenol-activated ATPASE by anions. 4976

Distribution of Strontium 90 and Cesium 137 in dairy products in the processing of ewe's milk. 2. In white brined cheese. 7140

Herbicidal, halogenated urea derivative. Patent 3,431,289. 7344

Substituted and unsubstituted N-lower alkyl benzhydrylcarbamates as herbicides. Patent 3,431,099. 7358

Pesticidal compositions comprising N-substituted gamma hydroxycarboxylic acid amides. Patent 3,436,463. 7359

Dimethyl fluoride-substituted methylene bisphenol germicides and fungicides. Patent 3,341,343. 7376

Substituted phenyl-N-methylcarbamates. Cholinesterasis inhibition and insecticidal action. 7382

Formulation analysis: The effect of different storage treatments on the susceptibility, agglomeration and deterioration of surfactants of DDT water-dispersi ble powders. 7398

CHEMORECEPTORS

Functional response to host density in a parasi tic wasp, with reference to population regulation. 5640

CHEMOSTERILANTS

Incorporation of tritiated thymidine into the ovarian DNA of stable flies: Effects of treatment with apholate. 5259

Sterilization of female mosquitoes with a hormone derived from male mosquitoes, Patent 3,450,816. 5272

Chemosterilization of screw-worm flies, Cochliomyia hominivorax (Coquerel) (Diptera: Calliphoridae): Influence of age at treatment and mating, effect on survival, and transfer of chemosterilant by contamination. 5275

Chemosterilant-induced increase in mating ability of male screw-worm flies (Diptera: Calliphoridae). 5276

Effect of certain alkylating and non-alkylating chemosterilants on Culex fatigans Weid. 5342

Studies on control of house flies in Egypt by chemosterilants. I. Laboratory studies on Musca domestica vicina. 5346

Chemosterilization of the two-spotted spider mite. I. Effect of chemosterilants on the biology of the mite. II. Histopathological effect of apholate and 5-fluorouracil on the reproductive organs. 5390

Chemosterilization of the two-spotted spider mite. IV. Effect on population. 5391

Sterilizing effect of a phosphoramide on Culex fatigans Weid. 5530

Studies on the mode of action of the chemosterilants 5-imidazolidinone and 4-imidazolin-2-one in the house f ly and in the large milkweed bug. 5591

Ecdysones and analogs: Effects on development and reproduction of insects. 5835

Chemosterilization of the two-spotted spider mite. III. Effect on host plant. 7252

CHEMOTROPISM

Effect of insecticide poisoning on chemoreception in the house fly, Musca domestica vicinaL. (Diptera: Muscidae). 5619

CHEMURGY

E ffect of a soluble fraction of oil seed meals on uptake of 65Zn from ca.mg.65Zn.phytate complexes by the chick'. 6690

Residues in the body fat of steers fed kelthane in their ration. (Abstract). 7192

CHENOPODIUM

Studies on an Italian isolate of the tobacco necrosis virus. 6003

CHENOPODIUM ALBUM

Matricaria and lambsquarter control in Brassicas with analogs of propachlor. 6368

The effect of the application of herbicides in the control of weeds in corn fields. 7272

CHENOPODIUM AMARANTICOLOR

Studies on host range of PVY - group viruses in leguminous plants in Japan, and the identification of them by the selected differential test plants. 5971

CHI-SQUARE TEST

Log-normal spray drop distribution analyzed by two new computer programs. 7402

CHICK EMBRYOS

The precision of virus end-point determinations. 6458

St udies on an ocular infectious laryngotracheitis vaccine. 6459

Transformation of chick fibroblast cultures with avian myeloblastosis virus. 6731

Egg transmission studies of Type II leukosis infection (Marek's disease). 6809

DDT and related chlorinated hydrocarbons: Their metabolism in the chick and their induction of microsomal ensymes. 7142

CHICKEN TYPES (MEAT)

On the permanent bedding of chicken. Some technical and hygienic-sanitary questions. 6414

CHICKENS

On the permanent bedding of chicken. Some technical and hygienic-sanitary questions. 6414

Sex-linked dwarfism and egg production of broiler dams. 6430

Aspergillus flavus meningo-encephalitis in chickens and geese. 6476

Studies of tuberculosis in hens as a problem of food hygiene. 6493

Studies on acute Marek's disease. VIII. The role of mosquitoes in transmission under experimental conditions. 6498

Sequence of RNA synthesis in chick fibroblasts infected with Sendai virus. 6503

Studies on avian encephalomyelitis. IV. Early incidence and longevity of histopathologic lesions in chickens. 6506

Methods of serological diagnosis in caprine Brucellosis. A comparative study.
6516

Immune response of chickens to six strains of Newcastle disease virus as measured by hemagglutination-inhibition test.
6517

Influences of an anti-ovulatory compound on the expression of vitamin D deficiency signs in laying hens.
6518

Location and time of penetration of duodenal epithelial cells by Eimeria acervulina sporozoites.
6555

Sites of avian leukosis virus multiplication in congenitally infected chickens.
6556

Some observations on Marek's disease (fowl paralysis).
6595

Magnesium requirement of the laying hen for reproduction.
6607

Genetic resistance to leukosis caused by the JM virus in the fowl.
6612

The characteristics of Staphylococcus aureus isolated from cases of staphylococcosis in poultry.
6614

Some characteristics of Staphylococcus aureus isolated from the skin and upper respiratory tract of domesticated and wild (Feral) birds.
6615

Clostridium septicum infection in a broiler flock.
6622

The incidence of drug resistant strains of Eimeria in chickens in Great Britain, 1966.
6629

Early changes in bursa of Fabricius from Marek's disease.
6642

Attempts to induce recombinant somatic cells in chicken erythrocyte chimaeras by repeated injection of western equine encephalomyelitis virus.
6660

Control of Marek's disease by the use of inoculated chicken embryo fibroblasts.
6677

Arthritis in chickens due to Staphylococcus aureus.
6680

Histologic features of atherogenesis and aortic rupture in turkeys.
6684

Safety and compatibility of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad spectrum coccidiostat-antibacterial, in chickens.
6707

Anticoccidial activity of sulfadinethoxine potentiated mixture (Ro 5-0013) in chickens.
6726

Identification of enterococci in chicken livers.
6762

The evaluation of the metabolic-inhibition technique for the study of Mycoplasma gallisepticum.
6839

Occurrence of infectious bronchitis of poultry in India.
6853

The transmission of west equine encephalomyelitis virus from chicken to chicken by Culex pipiens (SAY).
6856

Hematological response of different stocks of chikens to iron-copper deficient diet.
6862

Growth and respiration of monolayer cell cultures of chick embryo heart and skeletal muscle: Action of malathion and malaoxon.
6871

Cell culture techniques for primary isolation of Marek's disease-associated herpesvirus.
6872

The role of Argas persicus in epizootic poultry cholera.
6893

Coumaphos, a new anthelmintic for control of Capillaria obsignata, Heterakis gallinarum, and Ascaridia galli in chickens.
6940

On the nematode fauna of domestic fowl in the Lithuanian SSR.
6959

Parasitological situation on the hen farms in Lithuania.
6960

Adults of Eumegacetes artamii from white leghorn pullets infected with the metacercariae from two dragonflies.
7009

Notice of filing of petition for food additives.
7157

Notice of withdrawal of petition for food additives dienestrol diacetate, amprolium, and penicillin.
7158

Novobiocin for use in chicken and turkey feed. Drugs for veterinary use; drug efficacy study implementation.
7176

Notice of withdrawal of petiti on for food additives.
7178

CHICKS

Host preferences and discrimination by the mosquitoes Aedes aegypti and Culex tarsalis (Diptera: Culicidae).
5461

Absorption and distribution of ethylenediaminetetraacetic acid (EDTA) ingested by the chick.
6432

Studies on acute Marek's di sease. VIII. The role of mosquitoes in transmission under experimental conditions.
6498

Medium-chain triglycerides as a stress factor in vitamin E deficiency of chicks.
6502

The cellular site of virus replication in the intestine of chicks infected with an avian adenovirus.
6522

Avian reoviruses. IV. Relationship to human reoviruses.
6548

Influence of various strai ns of the Aujeszky virus on the metabolism of cells cultured in vitro.
6658

Transmission of classical Marek's disease by affected and carrier birds.
6666

Effect of a soluble fraction of oil seed meals on uptake of 65Zn from ca.mg.65Zn.phytate complexes by the chick'.
6690

Effects of Salmonella senftenberg injection on chicks hatched from eggs in treatment of testosterone propionate.
6736

Interaction of rubidium and potassium in chick diets.
6797

Herpesvirus in Marek's disease tumors.
6800

Fowl pox inclusion-body formation in skin epithelium of chicks.
6817

Dynamics of Salmonella infection in chicks reared on litter.
6823

Cell culture techniques for primary isolation of Marek's disease-associated herpesvirus.
6872

Evidence for a herpesvirus as an etiologic agent of Marek's disease.
6873

Histochemical studies in chick ascaridiasis.
6925

CHILO ZONELLUS

Field studies on the chemical control of the stem borer Chilo partellus on hybrid sorghum in India.
6143

CHILOPODA

Antennal pulsatile organs in Scolopendra morsitans (Chilopoda:Myriapoda).
5545

CHIMERAS

Attempts to induce recombinant somatic cells in chicken erythrocyte chimaeras by repeated injection of western equine encephalomyelitis virus.
6660

CHINCHILLAS

A new antibiotic: Gentamicin sulphate in Pseudomoniasis by Pseudomonas aeruginosa in Chinchilla laniger.
6570

CHIRONOMIDAE

New species of chironomids (Diptera, Chironomidae) from Yashil-kul and Bulun-Kul lakes (Pamirs).
4982

Chironomus strenzkein. sp. (Chironomidae, Dipt), a new laboratory animal.
5031

Notes on some larval and pupal chironomids (Diptera) from Lake Kariba, Rhodesia.
5101

Blacus-dances, experiences and studies (Braconidae, Hymenoptera).
5343

Blacus-dances, experiences and studies (Braconidae, Hymenoptera).
5344

Colonization of two species of Florida chironomids.
5573

Diel patterns of swarming and other activities of two arctic dipterans (Chironomidae and Trichoceridae) on Spitsbergen.
5639

CHIRONOMUS CARUS

Colonization of two species of Florida chironomids.
5573

CHIRONOMUS CRASSICAUDATUS

Colonization of two species of Florida chironomids.
5573

CHIRONOMUS NUDITARSIS

On the reproductive biology of Chironomus nuditarsis Str,.
5306

CHIRONOMUS STRENZKEI

Chironomus strenzkein. sp. (Chironomidae, Dipt), a new laboratory animal.
5031

CHIRONOMUS THUMMI

The oxygen binding properties of some larval hemoglobins of Chironomus th. thummi.
5606

CHITIN

X-ray analysis of hyphal and sclerotial walls of Sclerotium rolfsii Sacc.
5059

CHLAMYDOMONAS REINHARDI

Effects of selected herbicides upon growth of soil algae.
7265

CHLORAMPHENICOL

On antibiotic-antimycotic therapy in cattle mastitis.
6802

CHLORDANE

Ants in the home and garden; how to control them.
5184

Controlling the Japanese beetle. 5187

Insects and related pests of house plants; how to control them. 5395

Chlorinated hydrocarbon insecticide inhibition of cockroach and honey bee ATPases. 5414

Co-resistance and resistance inheritance in a dieldrin resistant laboratory stock of the clothes moth (Tineola bisselliella (Hum.), Lep.). 5423

Bagworm. 5662

Termites need no longer threaten groundnut in Nimar. 6202

Reduction of residues of heptachlor and chlordane in carrots with soil applications of activated carbon. 7085

CHLORELLA

Stimulatory effects of gibberelins on the growth of Chlorella pyrenoidosa (Chick). 7224

Effects of selected herbicides upon growth of soil algae. 7265

CHLORFENVINPHOS

Tolerance of sheep with regard to a new phosphoric ester: Chlorfenvinphos. 7167

CHLORIDES

Influence of some preparations applied into the udder on the pH, microscopic cellular appearance, California Mastitis Test and on the content of catalase and chlorides in milk. 6837

On the mechanism of chloride toxicity. 7243

CHLORINATED HYDROCARBONS

Field test of lindane against overwintering broods of the western pine beetle. 5094

Ants in the home and garden; how to control them. 5184

How to control bed bugs. 5185

Controlling the Japanese beetle. 5187

Early season insects no problem for B. A. Jordan. 5196

The question of resistance to pesticides. 5207

Contribution to the knowledge of the Cosmopolites sordidus (Germar)(Coleoptera, Curculionidae). (2). 5216

Cotton pests control by ultra low volume spraying from the air. 5228

Effects of reroductive-diapause boll weevil (Heliothis zea Boddie) insecticidal control programs on the abundance of bollworms and tobacco budworms (Heliothis virescens F.) in cotton in the rolling plains of Texas, 1967. 5236

Insecticidal operations against chironomid midges along the Blue Nile. 5240

VPI cockroach research. 5339

Control home vegetable garden insects. 5358

Insects and related pests of house plants; how to control them. 5395

Grasshopper control, 1969. 5411

Chlorinated hydrocarbon insecticide inhibition of cockroach and honey bee ATPases. 5414

The biology and control of the Ceanothus stem-gall moth, Periploca ceanothiella (Cosens). 5446

The leatherjacket risk grows. 5447

Southern tree chapter briefed on borer control. 5459

The determination of the insecticidal activity of an 8 year old sample of DDT by biological method. 5509

New strategy against the codling moth. 5520

On the use of Bacillus thuringiensis-insecticide combinations to control insect pests. 5537

Codling moth control with carbofuran. 5547

Lindane: Metabolism to a new isomer of pentachlorocyclohexene. (abstract). 5551

Lindane: Metabolism to a new isomer of pentachlorocyclohexene. 5552

Pasture mosquito resistance in Californi a. 5590

Michigan's priority war on mosquitoes. 5601

Fewer pesticides- More control. 5656

Lace bugs. 5661

Bagworm. 5662

European pine shoot moth. 5663

Genetics of resistance to insecticides of the SKA strain of Musca domestica. III. Location and isolation of the factors of resistance to dieldrin. 5736

Unique problems in insect and pest control of NASA's Mississippi Test Facility. 5755

Malaria and victory in Vietnam. 5763

Science and sense. As presented to the Weed Society of America, February 8, 1966. 5819

Fungistatic and fungicidal effects of certain organic products on some fungi causing diseases in vegetables. 5899

The occurrence of some previously unreported diseases of potatoes in Mexico. 5910

Dogwood diseases. 5944

Field biology and control of Phytophthora parasitica on papaya (Carica papaya) in Hawaii. 5967

Effect and compatibility of nutrient sprays with insecticides and fungicides for groundnut (A. hypogea). 6063

Penyakit merah disease, a virus infection of rice in Malaysia. 6085

Tomato leaf mould: Its assessment and effects on yield. 6089

Field studies on the chemical control of the stem borer Chilo partellus on hybrid sorghum in India. 6143

The water weevil problem. 6146

DDT and the farmer. 6148

Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen. 6150

Insect pests of pulse crops. 6157

Control of some pests of evergreens. 6162

Chemical control of the tea tortrix (Homona coffearia Nietner). 6171

Description, damage and control of the southwestern corn borer. 6188

Those hungry gypsies (Photo story). 6189

Termites need no longer threaten groundnut in Nimar. 6202

Comparative efficacy and economics of various measures adopted for eradication of white grub beetle (Holotrichia serrata Fabricius) damaging sugarcane in Uttar Pradesh. 6204

Ecology of insect vectors, forecasting, and chemical control. 6205

Alfalfa weevil control, 1969. 6206

Grasshopper control 1969. 6207

Maryland arborists discuss insect control. 6221

The oriental fruit moth and its control. 6223

The codling moth and its control. 6224

Insect pests of barley and their control. 6231

Controlling peach yellows in a peach breeding program. 6232

The principle insect pests of beets and the means of their control in turkey. 6234

Countering the castor semi-looper. 6236

Essay on insecticidal treatments on the apple fruit fly, Rhagoletis pomonella (Walsh) in southwest Quebec. 6237

Navy bean pests. 6238

The banana beetle can be checked. 6244

Fruit spray program for the home orchardist. 6257

Citrus pest control programs for California and A rizona desert areas. 6262

Bark beetles. 6273

Cotton and plant parasitic nematodes. 6298

Orangeworms in interior districts of Southern California. 6306

Weed control and the economics of direct reseeding. 6318

Preplanting applications of prometryne in cotton. 6340

Chemical weed control in sweet potatoes. 6396

Tumor localizing agents VI. Radioiodinated analogs of dichlorodiphenyldichloroethane (DDD). 6536

1969, controlling insects on sheep and goats. 6905

Fumigate stored rice to reduce loss to insects. 7030

Saving stored rice from attacks of insect pests. 7037

Control of rodents. 7043

Environmental contamination problems. 7074
DDT: Criticism, curbs are on the upswing. 7077
Pesticides: Transatlantic movements in the Northeast trades. 7079
Interaction of pesticides with natural organic material. 7081
Bioassay of captan by zebrafish larvae. 7082
Persistent pesticides. 7083
Reduction of residues of heptachlor and chlordane in carrots with soil applications of activated carbon. 7085
DDT. Sublethal effects on brook trout nervous system. 7087
University of Wisconsin scientists discuss insecticides and pollution. 7088
No serious problem with pesticide residues. 7089
More about the pesticide residue problem. 7090
Determination of residual bHC and lindane quantities in the soil and plants and investigations on their toxicity. 7091
Contribution of aerial contamination to the accumulation of dieldrin by mature corn plants. 7092
Populations of dalapon-decomposing bacteria in soil as influenced by additions of dalapon or other carbon sources. 7093
In vitro degradation of DDT by intestinal contents of Atlantic salmon (Salmo salar). 7096
An epidemiologic application of the study of DDE levels in whole blood. 7100
Effects on wild young salmon of spraying DDT over New Brunswick forests. 7103
Chlorinated hydrocarbons and eggshell changes in raptorial and fish-eating birds. 7108
Organochlorine pesticides in seals. 7109
Persistent pesticides: A problem. 7110
Effects of forest spraying with DDT in New Brunswick on food of young Atlantic salmon. 7111
TDE (or DDD). Proposed reduction of tolerances for residues in or on raw agricultural commodities. 7120
Organochlorine insecticide residues in complete prepared meals: A 12-month survey in S. E. England. (abstract). 7121
DDT residues absorbed from organic detritus by fiddler crabs. 7125
DDT residues absorbed from organic detritus by fiddler crabs. 7126
Toxicology of plant protection preparations. Tolerance limits for toxic residues. 7127
An investigation of the content of the chlorinated hydrocarbon residues of the crustacean plankton in the Balaton. 7128
Pharmacodynamics of dielorin in pigeons. 7131
Pesticide residues; history, alternatives and analysis. 7138
Pesticide residues - USDA'S position. 7139
DDT and related chlorinated hydrocarbons: Their metabolism in the chick and their induction of microsomal ensymes. 7142
Symptoms of intoxications by poisonous pesticides. (JPRS 46216) 7143
Enhanced metabolism of methyprylon, meprobamate, and chlordiazepoxide hydrochloride after chronic feeding of a low dietary level of DDT to male and female rats. 7152
Hepatotoxic potency of various chlorinated hydrocarbon vapors relative to their narcotic and lethal potencies in mice. 7166
An in vitro and in vivo study of the effect of DDT on the phagocytic activity of rat white blood cells. 7174
Interaction of DDT with the components of lobster nerve membrane conductance. 7190
Combined action of DDT with chlorophos and of thiophos with chlorophos. 7206
Toxicity of DDT and related compounds to certain lepidopteran cotton insects. 7215
Growth characteristics and herbicide susceptibility of Texas Panicum. 7232
Juice quality of grapefruit following June versus September applications of a 412 paraffinic petroleum oil with data on control of certain pests. 7238
Response of flax to postemergence herbicides. 7314
DDT - type compounds: Separation and identification by a system combining thin layer chromatography, gas chromatography, and infrared spectroscopy. 7323
Use of an electron capture detector in gas chromatography. III. An example of its application. A study of the response of some chlorinated and phosphorated pesticides. 7340
Gas chromatographic analysis of dalapon in water. 7342
2,3-dihydro-1,4-dithiins as stabilizers for chlorinated hydrocarbons. Patent 3,439,051. 7356
Photochemical decomposition of DDT by a free-radical mechanism. 7361
Degradation of gamma-BHC in simulated lake impoundments as affected by aeration. 7362
Electro-reduction of dieldrin and aldrin. 7378
Microscopic identification of some chlorinated hydrocarbon insecticides on different substrata. 7381
Application of herbicides and calibrating equipment. 7393

CHLORINATED PHENOLS
2,4-D metabolism. Enzymatic hydroxylation of chlorinated phenols. 5784

CHLORINATION
Tumor localizing agents VI. Radioiodinated analogs of dichlorodiphenyldichloroethane (DDD). 6536

CHLORINE
2,4-D metabolism; enzymatic degradation of chlorocatechols. 5785
Investigations into the source of bacterial contamination of pork. II. In steaming. 7054

CHLORO-N-ISOPROPYLACETANILIDE, 2-
Weed control in corn. 6333
Matricaria and lambsquarter control in Brassicas with analogs of propachlor. 6368

CHLORO-O-TOLYL)-N,N-DIMETHYLFORMAMIDINE, N'-(4-
Photodecomposition of the acaricide N'-(4-chloro-o-tolyl)-N,N-dimethylformamidine. 7354

CHLORO-1-(2,4-DICHLOROPHENYL)VINYL DIETHYL PHOSPHATE, 2-
Shell products for animal health. 6423

CHLORO-2-METHYLPHENOXY)PROPIONANILIDES, ALPHA-(4-
Alpha-(4-chloro-2-methylphenoxy) propionalides. Patent 3,439,018. 7332

CHLOROALLYL DIETHYLDITHIOCARBAMATE, 2-
Effects of methods of placement on performance of trifluralin, CDEC, and DCPA applied to soil. 6364

CHLOROETHYL)TRIMETHYLAMMONIUM CHLORIDE, (2-
Effects of growth retardants on Vitis vinifera L. 7218
Influence of retardants on the growth and flowering of plants. 7231
Formation of adventitious roots in tomato seedlings by CCC treatment. 7273
Interaction of CCC and Coumarin or IAA on seedling growth of rice. 7274
Increases in the levels of cytokinins in bleeding sap of Vitis vinifera L. after CCC treatment. 7295
Investigation of the effect of growth inhibitors on shoot growth of Pozegaca plum cultivar. 7300
Lodging in wheat and its control by (2-chloroethyl) trimethylammonium chloride (CCC) in solid form. 7308
Effect of CCC and glycine betaine on growth and growth-substance content of primary leaves of dwarf French bean (Phaseolus vulgaris L.). 7317
The influence of CCC on disease contraction of grain. 7322

CHLOROPHENYL O,O-DIMETHYL PHOSPHOROTHIOATE, O-M
Antifungal action of a phosphate ester pesticide, O-Mchlorophenyl O,O-dimethyl phosphorothioate, used in nutrient media for fungi. (abstract). 7175

CHLOROPHYLLS
Influence of simazine on chloroplast metabolism. 7294

CHLOROPIDAE
Colour vision and colour preference in the tropical eye-fly. 5494
Attractants and attractant traps for eye gnats Hippelates pusio. 5770

CHLOROPLASTS
The effect of TMV on the Hill reaction in chloroplasts from various tobacco species with different resistance. 6060

Influence of simazine on chloroplast metabolism. 7294

CHLOROSIS
Relationship of iron, manganese, and bicarbonate to chlorosis of rice grown in calcareous soil. 6039
Iron chlorosis in relation to irrigation practices. 6123
Identifying manganese deficiency in avocado trees. 6124
Manganese toxicity of legumes seeded in Kentucky strip-mine spoils. 7145

CHLOROTETRACYCLINE
Cause and prevention of epizootic bovine abortion. 6716

CHLOROXURON
Postemergence weed control in soybeans. 6378

CHLORPROMAZINE
Experimental Pasteurella infection in normal and chloropromazine-premedicated cockerels, subjected to heat stress. 6657

CHLORTETRACYCLINE
Clostridium septicum infection in a broiler flock. 6622
Immunization against East Coast Fever using tick infections and chlortetracycline. 6643
Fat as a factor in the epimerization of chlortetracycline in feeds. 7353

CHOLESTEROL
Utilization of larval cholestrol-4-C14 for reproduction in house flies fed unlabeled cholesterol in the adult diet. 5481
Desmosterol as a common intermediate in the conversion of a number of C28 and C29 plant sterols to cholesterol by the tobacco hornworm. 6835

CHOLINE
The effect of viral infection on the total choline content in potato and black currant leaves. 5894
The effect of trace elements on the yield and quality of camomile flowers and peppermint leaves. 7282

CHOLINESTERASES
Morphologic and histochemical studies on the nervous system of tapeworms revealed by the cholinesterase method (Taenia hydatigena, Dipylidium caninum and Moniezia expansa). 6963
A comparative analysis of the localization of cholinesterase activity in some parasitic nematodes. II. Ascaris suum, Parascaris equorum, Neoascaris vitulorum and Oxyuris equi. 7021
Poisoning on the farm. A report of a case of organophosphorus poisoning. (abstract). 7197
Substituted phenyl-N-methylcarbamates. Cholinesterasis inhibition and insecticidal action. 7382

CHORISTONEURA FUMIFERANA
Mites collected from Douglas-fir foliage in Montana. 5030
A synthetic attractant for the male spruce budworm moth Choristoneura fumiferana (Clem.). 5305
Spruce budworm damage symptoms related to radial growth of grand fir, Douglas-fir, and Engelmann spruce. 6275
Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary. 7113

CHORISTONEURA OCCIDENTALIS
The 24-inch branch as a sample unit for egg mass surveys of the western budworm. 5463

CHORISTONEURA PINUS
A technique for sampling populations of the jack-pine budworm. 5033

CHROMATIN
Analysis of chronatin in male and female mealy bugs. (Planococcus citri). 5718
Enhancement by 2,4-dichlorophenoxyacetic acid of chromatin RNA polymerase in soybean hypocotyl tissue. 7278

CHROMATOGRAPHY
Fatty acid composition of limited use in aphid taxonomy. 5175
Insect venoms, attractants, and repellents. XI. Massoilactone from two species of formicine ants, and some observations on constituents of the bark oil of Cryptocarya massoia. 5257
Composition, structure, and mode of formation of mineral granules in the middle intestines of the homopteran Cercopidae. 5334
Gas-liquid chromatography analysis of DDT metabolism in Aedes aegypti. 5370
Lindane: Metabolism to a new isomer of pentachlorocyclohexene. (abstract). 5551
Lipids in the melanic mutant of the large milkweed bug, Oncopeltus fasciatus. 5689
Research on sap infections. 6070
Salmonellosis in sheep. I. Production of a complex antigen and some of its chemical and serological features. 6725
Metabolic fate of histidine in the parasitic worm Fasciola hepatica L.. 6965
Rapid confirmatory test for aflatoxin B, using Bacillus megaterium. 7053
Gas chromatographic analysis of head-space vapors to identify micro-organisms in foods. 7058
In vitro degradation of DDT by intestinal contents of Atlantic salmon (Salmo salar). 7096
Pesticide residues; history, alternatives and analysis. 7138
DDT and related chlorinated hydrocarbons: Their metabolism in the chick and their induction of microsomal ensymes. 7142
Reduction in aflatoxin contamination of rice by milling procedures. 7200
Conversion of DDT to DDD by pathogenic and saprophytic bacteria associated with plants. 7254
Conversion of 4-(2,4-dichlorophenoxy) butyric acid to homologs by alfalfa; mechanism of resistance to this herbicide. 7264
Ethylene prevents normal photoperiodic response in Chrysanthemum morifolium. 7286
Increases in the levels of cytokinins in bleeding sap of Vitis vinifera L. after CCC treatment. 7295
Distribution of labelled plant growth regulators within cells. 7321
DDT - type compounds: Separation and identification by a system combining thin layer chromatography, gas chromatography, and infrared spectroscopy. 7323
Thin-layer chromatographic-enzymatic identification of organophosphorus insecticides. Actiuation of weak esterase inhibitors. 7324
Organophosphorus pesticides. A gas chromatographic screening technique based on the detection of methylated hydrolysis products. 7326
Use of an electron capture detector in gas chromatography. III. An example of its application. A study of the response of some chlorinated and phosphorated pesticides. 7340
Gas chromatographic analysis of dalapon in water. 7342
A comparison of new techniques for the detection and determination of triazine herbicides separated by thin-layer chromatography. III. Fluorescence quenching. 7343
Metabolism of DDT by rumen microorganisms in vitro. (Abstract). 7345
Photodecomposition of the acaricide N'-(4-chloro-o-tolyl)-N,N-dimethylformamidine. 7354
Photochemical decomposition of DDT by a free-radical mechanism. 7361
Degradation of gamma-BHC in simulated lake impoundments as affected by aeration. 7362
Electro-reduction of dieldrin and aldrin. 7378

CHROMOSOMES
Karyological studies on the Indian spiders. VIII. Mitosis and meiosis in two species belonging to the family Gnaphosidae. 5478
Oogenesis in the parthenogenetic stick insect Sipyloidea sipylus Westwood (Orthoptera, Phasmidae). 5529
Male genital disc defect in Drosophila melanogaster. 5683
Karyotypes of some Asian mosquitoes of the subfamily Culicinae (Diptera: Culicidae). 5696
Chromosome studies in Diplopoda (Myriapoda). A note on the abnormal sex-chromosome behaviour in the male of Thyropygus sp.. 5698
Morphological divergences and sterility barriers in the Aedes mariae complex (Diptera, Culicidae). 5699
Centromere nature of the chromosomes of Ranatra (Heteroptera). 5701
Mutants at the bobbed locus in Drosophila melanogaster: Relation to ribosomal RNA synthesis. 5706
Studies in experimental behavior genetics: V. Negative geotaxis and further chromosome analyses in Drosophila melanogaster. 5709
The chromosomes of the caddis-fly, Glyphotaelius pellucidus (Retzius, 1783) (Trichoptera: Limnephilidae, Limnephilinae). 5714
Chromosomal rearrangements induced in Drosophila salivary gland chromosomes by an acridine half mustard. 5715
Analysis of chronatin in male and female mealy bugs. (Planococcus citri). 5718

Selection for higher fitness in populations of Drosophila pseudoobscura. 5720

Fecundity, egg-size and hatchability in Drosophila melanogaster with an X-chromosome held unchanged. 5721

Linkage of gold, its recessive lethality and sex-related variation in crossing-over in Culex pipiens (Diptera: Culicidae). 5722

Elimination of radiation-induced chromosome aberrations in experimental populations of Drosophila melanogaster. 5723

Salivary gland chromosome variation in the Drosophila affinis subgroup. II. Comparison of C-chromosome patterns in D. athabasca and five related species. 5725

Loss of chromosomes and nondisjunction induced by caffeine in Drosophila. 5726

Polytene chromosomes in silk gland cells of the silkworm, Bombyx mori. 5727

Relative fitness of a third chromosome inversion in Drosophila melanogaster. 5728

Chromosomes of the cereal leaf beetle. 5729

Thymidine teratogenesis and mutagenesis in Drosophila melanogaster. 5732

The salivary chromosomes of Anopheles stephensi stephensi. 5737

Attempts to induce crossing-over in Drosophila melanogaster males with ovarian extracts. 5739

Temperature-sensitive mutations in Drosophila melanogaster, III. Dominant lethals and semilethals on chromosome 2. 5740

Genetical linkage relationships of DDT-RESISTANCE and dieldrin-resistance in Culex pipiens fatigans Wiedemann. 5741

Regular segregation of seven asynaptic sex chromosomes in the male of Asphaera daniela Bechyne (Coleoptera, Alticidae). 5743

On polymorphism within a chromosomes from populations of ground beetles Carabus auronitens Fabr. 5745

Chromosome location and linkage studies involving the Pm3 locus for powdery mildew resistance in wheat. 6013

Interrelationships of Ledum species and their rust parasites in Western Canada and Alaska. 6067

Occurrence of accessory chromosomes in Panicum maximum Jacq.. 7253

The effect of some treatment conditions on the radiomimetic activity of 1-methyl-3-nitro-1-nitrosoguanidine in plants. 7258

CHRONIC RESPIRATORY DISEASE
Special reference to viral and P. P. L. O. infections. 6741

CHRYSANTHEMUM
Studies on the viruses of plants in Compositae in Japan. I. Tomato aspermy virus from chrysanthemum. 5972

On the significance of the Lygus species as a plant pest. 6154

CHRYSANTHEMUM MORIFOLIUM
Rare symptoms on Chrysanthemum morifolium infected with Puccinia horiana. 6139

Ethylene prevents normal photoperiodic response in Chrysanthemum morifolium. 7286

CHRYSOMELA RUFOAENEA
A new species Chrysomela rufoaenea SUFF. for the fauna of Bulgaria from the collection of the Zoological Museum in Sofia, Chrysom., Col. 5053

CHRYSOMELIDAE
Two new Galerucinae from Nainital district (Coleoptera-Chrysomelidae). 5039

The species of the sub-family Cassidinae (Chrys., Col.) in Bulgaria. 5052

Resistant corn rootworms... A problem almost everywhere. 6149

Insect pests of barley and their control. 6231

Feeding of Aulacophora foveicollis on cucurbitacin. 6253

CHRYSOMYXA
Interrelationships of Ledum species and their rust parasites in Western Canada and Alaska. 6067

CHYMOTRYPSIN
Pancreatic enzymes initiating excystation of Eimeria acervulina sporozoites. 6554

CICADELLIDAE
A revision of the leafhopper genus Macropsidius Rib. (Hom., Auchenorrhyncha). 5018

New and so far undescribed Cicadellidae species from Rumania and Italy (Hom., Auchenorrh.). 5019

Notes on the genus Elymana DeLong (Homoptera Cicadellidae). 5023

Some Typhlocybinae (Homoptera, Cicadellidae) from Mongolia with description of a new species and a new subspecies. 5024

An acarid (Erythraeidae) parasite of Jassids (Homoptera, Auchenorrhyncha). 5249

Procedures and materials perfected for the rearing and collection of homopterans (Aphididae and Jassidae) during virus transmission studies. 5313

On the transport of microorganisms (Phi particles) by the female germinal cells in the homopteran Typhlocyba douglasi Edw.. 5454

The present status of virus diseases of rice in Ceylon. 5858

Hoja blanca disease of rice. 5938

Transmission of hoja blanca virus of rice. 5940

Dwarf, yellow dwarf, stripe, and black-streaked dwarf diseases of rice. 5968

Transmission of rice viruses in Southeast Asia. 5998

Virus diseases of rice in Southeast Asia. 6032

Some observations on tobacco yellow dwarf control. 6033

Varietal resistance to stripe, dwarf, yellow dwarf, and black-streaked dwarf. 6064

Purification, bioassy, properties, and serology of rice viruses. 6102

Some rice diseases suspected to be of virus origin in South Viet Nam. 6110

Scientists find the cause of the bean wilt disease. 6147

Transmission of clover phyllody by a new leafhopper vector, Euscelidius variegatus. 6179

Control of insects on alfalfa and red clover. 6185

Effect of rice-pathogenic viruses on their insect vectors. 6216

Controlling peach yellows in a peach breeding program. 6232

The problem of leaf hoppers on paddy. 6252

CICADIDAE
The Cicadidae of the Ryukyu Archipelago (Hemiptera). 5074

CICINDELIDAE
Coleoptera from northeast Africa. Cicindelidae and Carabidae: Carabini. 5096

Observations on the biology and behavior of Cicindela hybrida L. and Cicindela campestris L. and experimental analysis of their behavior. 5300

CIMEX LECTULARIUS
A temperature-controlled feeding apparatus for hematophagous art hropods. 4975

How to control bed bugs. 5185

Trolene toxicity for bed bugs. 7165

CINARA STROBI
Control of some pests of evergreens. 6162

CIRCULATORY SYSTEM
Investigations into the circulatory system of the migratory locust (Locusta migratoria migratorioides tr. et F., Orth.) with special reference to the blood pressure. 5215

The physiology of mosquitoes. 5266

The larval and imaginal oenocytes of Callosobruchus maculatus (Fabricius) (Coleoptera: Bruchidae). 5512

CIRCULIONIDAE
High praise for low volume insecticide spraying. 7136

CIRRHOSIS
Further studies on avian biliary cirrhosis with particular reference to aetiology. 6590

Spontaneous and experimental aflatoxicosis of ducks. 6626

CIS BILAMELLATUS
An attempt to correct some mistakes and misconceptions about some fungus beetles and their habitats. 5517

CITHERONIIDAE
A larva of Citheronia sepulchralis (Citheroniidae) from New Jersey. 5073

CITRUS
Hard to kill pests of fruit trees - woolly apple-aphid. 5195

Copper deficiency in citrus. 5916

A systemic fungicide effective against sour orange scab disease. 5957

Watch for silver leaf. 6014

Controlling stem-end rot of ripe mango. 6035

Decline of citrus trees in the regions of Araraquara and Bebedouro. 6059

Septoria spot on grapefruit in Southern California. 6101

The biological control of red scale Aonidiella aurantii (Mask), on citrus in South Africa. 6155

Bionomics of Drosicha mangiferae (Green) on citrus including new record of its three natural enemies. 6246

Annual pest control programs for Central California. 6260

Early spring treatment in desert areas of California and Arizona. 6261

Citrus pest control programs for California and Arizona desert areas. 6262

Burrowing nematodes may survive on variants of milam lemon. 6290

Tropical nematology. 6305

Orangeworms in interior districts of Southern California. 6306

Snails and slugs in Central California. 6413

Oil deposit on grapefruit leaves with 3 types of spray equipment in relation to control of certain citrus pests. 7101

Borax and boric acid. Proposed establishment of pesticide tolerance. 7116

Juice quality of grapefruit following June versus September applications of a 412 paraffinic petroleum oil with data on control of certain pests. 7238

News on economics. 7408

CLADOSPORIUM FULVUM

Tomato leaf mould: Its assessment and effects on yield. 6089

CLAMS

Causes of can swelling and blackening of canned baby clams. 3. Bacteriology and chemistry of sea-bottom mud involved in can spoilage. 7069

Effects of the insecticide Sevin on survival and growth of the cockle clam Clinocardium nuttalli. 7094

CLASSIFICATION

Appeal concerning the classification of invertebrate viruses. 5160

The problems associated with the standardization of insect viruses. 5361

CLAVICEPS PASPALI

Ergot poisoning of cattle grazing Dallisgrass. 6596

CLERIDAE

The Buprestidae and Cleridae of the Nevada Test Site (Coleoptera). 4994

CLIMATE

Entomophthorous fungi as a natural factor in decreasing pea aphid populations. 5299

Observations in Kenya on the flight activity of stored products insects, particularly Sitophilus zeamais Motsch. 5327

Features of microclimatic regimen of habitats of sandflies in a village of Karshinsky Oasis. 5329

The influence of environmental factors. 5378

The Columbian timber beetle, Corthylus columbianus. VII. The effect of climatic integrants on historic density fluctuations. 5464

A technique for rearing trombiculid mites (Acarina) developed in a tropical laboratory. 5489

Mosquito collections in a high rainfall area of North Queensland, 1963-1964. 5626

Observations on the use of a preparation of Bacillus thuringiensis var. thuringiensis Berliner, for the control of the olive moth (Prays oleae Bern.). 5686

Effect of climatic factors on the susceptibility of insects to insecticdes. 6251

The conditions for occurrence of potato root eelworm (Heterodera rostochiensis Woll.) in Poland. 6302

Editorial: The problem of herbicides. 6376

A study of natural pastures in Madagascar. Productivity and pratical applications. 6427

The incidence of clinical babesiosis in cattle in Queensland. 6651

The murids in the vicinity of Lake Kivu and neighboring regions (Central Africa) and their ecology. 7045

Influence of soil and site on red pine (Pinus resinosa Ait.) plantations in New York. II. Soil type and physical properties. 7240

The effect of the dose and method of using herbicide A-1802 and cultivation measures on weediness and yield of corn. 7269

CLIMBING PLANTS

Results of herbicide tests carried out in 1966 by the Vegetable Protection Service. 6326

The role of light, concentration, and species in foliar uptake of herbicides in woody plants. 6331

CLONORCHIS

Report on the working party on liver-fluke in Wales. 7002

CLOSTRIDIUM

Detection and differentiation of pathogenic Clostridia and their toxins. 7144

CLOSTRIDIUM BOTULINUM

Evolution of botulism. V. Evolution of pathogenic propertis of Cl. botulinum. 6505

Type C Botulism in a dove (Streptopelia roseogrisea bornuensis) from Ferlo (Senegal). 6557

Low temperature growth of type E Clostridium botulinum spores. 1. Effects of sodium chloride, sodium nitrite and pH. 2. Effects of solutes and incubation temperature. 7055

CLOSTRIDIUM PERFRINGENS

Effects of ration energy level, vaccination, and antibiotics on feedlot performance of range lambs. 6795

CLOSTRIDIUM SEPTICUM

Clostridium septicum infection in a broiler flock. 6622

CLOVER

On the presence in France of Nearctaphis bakeri Cowen, a dangerous pest of cultivated clover in the U. S. A. (Homoptera, Aphididae). 5089

Transmission and translocation of red clover vein mosaic virus in clover. 5921

Effect of red clover vein mosaic virus on dry weight of tissues of Gomphrena globosa. 5922

Transmission of clover phyllody by a new leafhopper vector, Euscelidius variegatus. 6179

Controlling bloat in cattle grazing clover. 6578

Cattle bloat in southern New England, N.S.W. 1961-66. 6874

CLUBROOT

Chemicals for control of cabbage clubroot - Plasmodiophora brassicae Wor. IV. Effect on the pathogen. 5915

Detection of Plasmodiophora brassicae races 2 and 6 in Ontario. 6056

CNEPHASIA

How do native insect parasites behave in relation to imported insect hosts, alien to the native fauna 5695

COAGULASE

Metabolic substances of Staphylococcus aureus of bovine udder origin - a quantitative study. 6739

COBALT

New strategy against the codling moth. 5520

Effect of paddock size, stocking rate, anthelmintics, and trace elements on the weight gain of young cattle. 6828

COBALT ISOTOPES

Radiobiological damage: A new class identified in barley seeds stored after irradiation. 7022

COCCIDAE

Annual pest control programs for Central California. 6260

COCCIDIOIDES IMMITIS

Resistance of vaccinated mice to typical and atypical strains of Coccidioides immitis. 6635

COCCIDIOIDOMYCOSIS

Cytolytic plasma factor in experimental coccidioidomycosis. 6688

COCCIDIOSIS

Electron microscopy of the development of the lining of the sporoblast in the coccidian Coelotropha durchoni. 5535

Duck coccidia in the Lithuanian SSR. 6472

On the domestic geese coccidia in the Lithuanian SSR. 6473

Pancreatic enzymes initiating excystation of Eimeria acervulina sporozoites. 6554

The treatment of coccidiosis in domestic ruminants with Amprolium . 6603

The incidence of drug resistant strains of Eimeria in chickens in Great Britain, 1966. 6629

Safety and compatibility of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad spectrum coccidiostat-antibacterial, in chickens. 6707

Anticoccidial activity of sulfadinethoxine potentiated mixture (Ro 5-0013) in chickens. 6726

Incidence of bovine coccidia in western Oregon. 6748

An assessment of eimerian lesions in buffalo-calves (Bubalus bubalis) and their significance. 6759

The significance of deep litter for prophylaxis of chicken coccidiosis. 6842

The effects of low temperature on the sporulation and survival of oocysts of Eimeria perforans, media, magna and irresidua. 6944

Notice of filing of petition for food additives. 7157

Notice of withdrawal of petition for food additives. 7178

Amprolium as a coccidiostat for Angora goats. 7184

COCCIDIOSTATS
Amprolium as a coccidiostat for Angora goats. 7184

COCCINELLIDAE
Coleoptera from Southeast Asia arranged by M. Chujo (VII). Coccinellid-beetles from E. Nepal, Thailand, Cambodia, Viet-Nam, S. Korea and Is. Ambon, with descriptions of 4 new species and 33 figures. 5000

Physiological studies on the digestion of coccinellid beetles (Coleoptera: Coccinellidae), with special reference to their food habits. 5579

Bionomics of Drosicha mangiferae (Green) on citrus including new record of its three natural enemies. 6246

COCCOIDEA
A Nimbaspis Balachw. (Coccoidea-Odonaspidini) new in the Central African grasslands. 4992

Final report, studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan; June 1961-June 1966. Part I. Scale insects. 5323

COCCUS HESPERIDUM
Juice quality of grapefruit following June versus September applications of a 412 paraffinic petroleum oil with data on control of certain pests. 7238

COCCUS VIRIDIS
Induced virescent-bud mutation in Gossypium hirsutum. 5420

COCHLIOMYIA HOMINIVORAX
Chemosterilization of screw-worm flies, Cochliomyia hominivorax (Coquerel) (Diptera: Calliphoridae): Influence of age at treatment and mating, effect on survival, and transfer of chemosterilant by contamination. 5275

Chemosterilant-induced increase in mating ability of male screw-worm flies (Diptera: Calliphoridae). 5276

1969, controlling insects on sheep and goats. 6905

COCOA
Study on the immunogenicity of cocoa beans. 7024

COCONUTS
A note on the anatomical derangement in the root tissue of root (wilt) diseased coconut palm. 5383

Pest control by the biological method. 5523

Diseases and pests of coconut in Kerala. 5814

Selecting and breeding coconut palms (Cocos nucifera L.) resistant to lethal yellowing disease. A review of recent work in Jamaica. 6130

A mite to combat coconut caterpillar. 6218

Tropical nematology. 6305

A new method of rat control in coconuts. 6412

The distribution of trace elements in the leaves of the coconut palm, and the effect of trace element injections. 7297

COENUROSIS
Sheep coenurosis control in Uzbekistan. 6970

COENZYMES
Nicotinamide-adenine dinucleotide-linked form of lactic dehydrogenase of the symbionts and fat bodies of a cockroach. 5295

COFFEE
Fungicides for arabica coffee. VIII--PRELIMINARY relationships among some new fungicides, leaf rust (Hemileia vastatrix) and leaf fall. 5964

Recent trends in disease control in coffee. 6099

Tropical nematology. 6305

Use of herbicides in coffee nurseries with full exposure to sun. 6324

Effect of Bordeaux Mixture spray on fruit set in coffee (Coffea arabica L.). 7283

COLCHICINE
An injection method for treating Hemerocallis spikes with colchicine. 7229

Trials of obtaining artifical tobacco poliploids. 7319

COLD
The influence of cortisone and low environmental temperature on experimental infectious canine hepatitis in the guinea-pig. 6878

COLD STORAGE
Survival of encysted larvae of Trichinella spiralis: Effect of exposure to 0 F, using precooled and fresh ground pork. 7039

COLEOPTERA
A summary of forest and shade tree insect-disease conditions for Maine 1967. 4979

The Micropeplidae and Staphylinidae (I. Steninae, Euaesthetinae and Oxyporinae), Coleoptera of Pakistan with descriptions of a new tribe, genus and three species from Karachi. 4980

A key to the Ipswich fossil beetles (Coleoptera) from the Permian of Australia. 4981

The Buprestidae and Cleridae of the Nevada Test Site (Coleoptera). 4994

Notes of larvae of aquatic Coleoptera in the Ethiopian region (Western and Equatorial Africa). 4999

Coleoptera from Southeast Asia arranged by M. Chujo (VII). Coccinellid-beetles from E. Nepal, Thailand, Cambodia, Viet-Nam, S. Korea and Is. Ambon, with descriptions of 4 new species and 33 figures. 5000

Immunotaxonomic investigations of the Coleoptera. 5007

The Pachydeminae (Coleoptera, Melolonthidae) collected by the Hungarian zoological expedition to the Brazzaville Congo. 5014

A new genera of Pachydeminae (Coleoptera, Melolonthidae) of Somalia. 5015

Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. XLIV. Coleoptera Elminthidae. 5016

New Melolonthids (Col.). 5036

A new species of Batyle from Utah (Coleoptera: Cerambycidae). 5082

Catalogue of the Oedemeridae of Italy (Coleoptera). 5095

Contribution to the arthropod fauna of the resins of large caves and the kyffhausers. III. Coleoptera. 5103

Description of Blastophagus khasianus, new species (Coleoptera: Scolytidae). 5110

Catalogue of the Coleoptera Cetoniidae in the Leiden Museum. I. Goliathus Lamarck, sensu lato. 5168

Coleoptera: Cantharidae, Malachiidae and Dasytidae from New Caledonia, New Hebrides and Fiji in Bishop Museum, Honolulu. 5170

Flying beetles. 5178

Cave Carabidae (Coleoptera) of Mammoth Cave, part II. 5211

Contribution to the knowledge of the Cosmopolites sordidus (Germar)(Coleoptera, Curculionidae). (2). 5216

The diversity of cell types in the neurosecretory system of the beetle Blaps mucronata. 5308

The beetles (Coleoptera) of Babia Gora Mountain (Polish Western Carpathians). 5518

Regular segregation of seven asynaptic sex chromosomes in the male of Asphaera danicla Bechyne (Coleoptera, Alticidae). 5743

Growing camellias. 5859

Italian beet culture. The protection against insect pests. 6233

COLIAS CROCEUS
On the metabolism of pterine and its hydrogen derivatives in Colias croceus (Fourcroy) (Lepidoptera Pieridae). 5286

COLIBACILLOSIS
Coli dysentery (colibacillosis) of suckling pigs. 6807

COLITIS
Fibrinous colitis in pigs. 6745

COLLAGEN
Electron microscopic and biochemical characterization of collagen in blattarian insects. 5356

COLLEMBOLA
New species of Pseudosinella from caves (Insecta: Collembola). 5045

Description of a new species of the genus Bovicorina Delamare Deboutteville 1947 (Collembola, Symphylla) and a key for identification of the species in the genus. 5097

COLLETOTRICHUM
Kenaf promising as profit crop. 5851

COLLETOTRICHUM LINDEMUTHIANUM
Anthracnose in beans:Determination and variations in the malonic acid content in the different parts of healthy and parasitized plants. 5886

COLLOIDS
Retention and vooatilization of lindane and DDT in presence of organic colloids isolated from soils and leonardite. 7129

COLOR
Investigations into the honey bee's learning of spectral colors. 5466
Colour vision and colour preference in the tropical eye-fly. 5494
On the photopositive responses of some insects towards monochromatic lights. 5691

COLOR PREFERENCE
Colour vision and colour preference in the tropical eye-fly. 5494

COLORIMETRY
A rapid colorimetric method for the determination of tobacco mosaic virus concentration in plant saps. 6119
A tetrazolium reduction test to evaluate the viability of strain 19 vaccines. 6831
Rapid colorimetric determination of DOT in milk and butter. 7389

COLOSTRUM
Investigations on the viruses of the Orphan type occurring in pigs in Poland. IV. Haematological findings in piglets artificially infected with virus L1. 6500
Investigation on the viruses of the Orphan type occuring in pigs in Poland. III. Pathogenic properties of virus L1. 6645
Remarks on the receptivity of new born lambs towards the foot-and-mouth disease virus. 6649
Colostral immunity against salmonella infection in calves. 6794

COLZA
Results of tests of fall colza varieties 1963-1966. 6120

COMPETITION
Rates of competitive exclusion by the Argentine ant in Bermuda. 5274

COMPLEMENT
Role of complement in immune inactivation of Mycoplasma gallisepticum. 6486

COMPLEMENT FIXATION
Avian reoviruses. IV. Relationship to human reoviruses. 6548
A complement fixation test for the study of avian mycoplasma. 6583
An investigation into bovine anaplasmosis with complement fixation test (CFT). 6685
On pyroplasmodias in sheep and goats. II. Research into anaplasmosis. 6686
Ovine anti-brucellosis serology. Vaccine and infectious antibodies. Serums negative to the seroagglutination of Wright and positive to complement deviation. 6689
A study of experimental ornithosis in the white mouse infected through the peritoneal cavity. 6751
Serological investigations into Q-fever in sheep. 6760
Immunoglobulin development in sera of pigs injected with killed suspensions of Salmonella choleraesuis. 6788
Detection of complement fixing antibody to the agents of tick typhus fever of northern Asia and Q fever in wild animals of the extreme north of western Siberia. 6810
Long complement fixation test for leptospirosis diagnosis. 6881

COMPOSITAE
Studies on the viruses of plants in Compositae in Japan. I. Tomato aspermy virus from chrysanthemum. 5972

COMPOUND EYE
The optics of insect compound eyes. 5473

COMPREG
Abnormal ray tissue in three true firs infested by the balsam woolly aphid. 6226

CONFERENCES
Report of thirty-ninth annual meeting. 5756
Collected papers on cereal diseases. (Septoria, Fusarium, yellow rust). 5881

CONIDIA
Splash dispersal of fungus spores and fungicides in the laboratory and greenhouse. 5799
The germination of conidia and the appressoriun formation of Alternaria porri on the surface of onion leaves. 5860

CONIFERAE
Research on the reactions of Ips sexdentatus Boerner to terpenic fumes of several conifers. 5262

CONJUNCTIVITIS
Attractants and attractant traps for eye gnats Hippelates pusio. 5770
An unusual case of pseuoomonas conjunctivitis in a Siamese cat. 6663

CONTAINERS
Saving stored rice from attacks of insect pests. 7037

CONTORTYLENCHUS ELONGATUS
Note on the ovary, rachis, and spermatheca of an insect parasitic nematode, Contortylenchus elongatus (Massey, 1960) Nickle, 1963. 5497

CONTROL EQUIPMENT
Ethylene prevents normal photoperiodic response in Chrysanthemum morifolium. 7286

CONTROLLED ATMOSPHERE STORAGE
Granny Smith versus Jonathan. 5840

COOMBS' TEST
Ovine anti-brucellosis serology. Vaccine and infectious antibodies. Serums negative to the seroagglutination of Wright and positive to complement deviation. 6689

COOPERIA
Effects of gastrointestinal nematode parasites on performance in feedlot cattle. 6912
Amino acid composition of some strongyle parasites of cattle. 6952

COPIDOSOMA
Two species of Copidosoma parasitic on the potato tuber moth (Hymenoptera: Chalcidoidea-Encyrtidae). 5151

COPIDOSOMA KOEHLERI
Two species of Copidosoma parasitic on the potato tuber moth (Hymenoptera: Chalcidoidea-Encyrtidae). 5151

COPPER
Copper and manganese content in different varieties of spring and winter wheat. 5783
Copper deficiency in citrus. 5916
Chemical control of bean bacterial diseases in Wisconsin. 5951
Controlling stem-end rot of ripe mango. 6035
Hematological response of different stocks of chikens to iron-copper deficient diet. 6862

COPPER COMPOUNDS
Investigations on chemical control of zebra disease in Agave hybrid no. 11648. 6036
Symptoms of intoxications by poisonous pesticides. (JPRS 46216) 7143

COPPER OXYCHLORIDE
Ergot disease of bajra--its symptoms and control. 6100

COPPER SULFATE
Field biology and control of Phytophthora parasitica on papaya (Carica papaya) in Hawaii. 5967
Fusarium foot-and-stem disease of the carnation. 6127
A laboratory method for assessing the toxicity of stomach poisons to slugs. 6407
Report on the working party on liver-fluke in Wales. 7002
The efficiency of copper sulphate, phenothiazine and sodium chloride mixture against sheep helminthoses. 7005
Diagnosis and treatment of poisoning in cats and dogs. 7183
Ammonia poisoning in carp. 3. The oxygen content as a factor influencing the toxic limit of ammonia. 7208

COPTOPTERYX GAYI
The morphology and systematic of Coptopteryx gayi (Blanchard) 1851 (Mantidae). 5176

COPTOTERMES INTERMEDIUS
Note on the deportment particularly towards the dead in Coptotermes intermedius Silvestri (Isoptere Rhinotermitidae). 5569

COPULATION
The influence of the duration of copulation on the fertility of the females of Acanthoscelides obtectus Say (Insecta Coleoptera). 5376

CORIANDRUM SATIVUM
Transfer of Coriandrum sativum L. inflorescence blight through seeds and the influence of seed treatment upon this disease. 6116

CORIXIDAE
The infection of immature aquatic insects by larval Paragordius (Nematomorpha). 5167

CORN
Corn with built-in insurance. 5796
Production of maize in tobacco areas. 5821
Quantitative genetic estimates for brown spot resistance in corn. 5846
Combining abilities and relative dominance among maize inbreds for resistance to earworm injury. 5852
Poor stands of corn and reduction of root growth caused by Fusarium moniliforme. 5937

Field and greenhouse studies on the effects of plant amendments on Rhizoctonia hypocotyl rot of snapbean.
6008

Note : Oospores of Sclerospora philippinensis Weston from corn leaf tissue.
6024

Corn lodging. I. Relations between soluble solids, inorganic phosphates and basal stalk and root rots in mature plants.
6066

The occurrence of Phyllosticta leaf spot of corn in Pennsylvania.
6068

Zinc deficiency may limit maize yields.
6075

Resistant corn rootworms... A problem almost everywhere.
6149

Description, damage and control of the southwestern corn borer.
6188

Insecticidal field treatments for the control of the European corn borer. Ostrinia nubilalis (Hubner) in Southwestern Quebec, 1967.
6193

Timing insecticide applications for European corn borer control in Southwestern Quebec, 1967.
6194

Control of the corn earworm on sweet corn in Eastern Nebraska.
6256

Weeds that make a comeback.
6315

Weed control in corn.
6333

Herbicide versus cultivation for corn with two methods of seedbed preparation.
6343

Experiments on the use of new chemicals in weed control in maize.
6367

Influence of agrotechnical and chemical treatments on the changeableness of field plant associations.
6389

Role of calcium in the nutritional etiology of a metabolic disorder in ruminants fed a high grain ration.
6857

Soil factors contributing to atrazine carryover.
7084

Contribution of aerial contamination to the accumulation of dieldrin by mature corn plants.
7092

Changes in ration of sugars and amino acids in cotton-plant and maize upon gamma-irradiation of seeds prior to sowing.
7250

The effect of the dose and method of using herbicide A-1802 and cultivation measures on weediness and yield of corn.
7269

The effect of herbicides and cultivation measures on the yield of corn.
7271

The effect of the application of herbicides in the control of weeds in corn fields.
7272

Effect of trifluralin on growth, morphology, and nucleic acid synthesis.
7292

Effects of simulated radioactive fallout decay on growth and yield of cabbage, maize, peas and radish.
7298

The influence of increasing doses of simazine upon the rate of root and green parts growth of winter wheat.
7306

CORNUS
Dogwood diseases.
5944

CORPORA ALLATA
The effects of implantations of corpora allata on reproduction of collected females of Schistocerca gregaria (Forsk.) and on the polymorphism of their progeny.
5255

Two major effects of the corpus allatum in the adult Colorado beetle (Leptinotarsa decemlineata Say).
5281

Ovarian response to corpus allatum in Iphita limbata Stal..
5386

Evolution toward a single phenotype and persistance of the molting glands in Locusta migratoria cinerascens, gregarious phase, under the influence of carbonic gas. Experimental and ultrastructural study.
5498

Hormonal control of the reproductive diapause in the grasshopper, Oedipoda miniata.
5522

The growth and activity of the corpora allata in the larval firebrat, Thermobia domestica (Packard) (Thysanura, Lepismatidae).
5669

CORPORA CARDIACA
The action of extracts of parasympathetic organs and corpora cardiaca on diuresis in several insects.
5225

CORPUS LUTEUM
Ovarian cycle in cows with irregular estrus cycles.
6644

CORPUS LUTEUM HORMONES
Effect of exogenous progesterone on Corpora lutea in unilaterally hysterectomized heifers.
6876

CORRELATION
Correlation of four mastitis detection tests with respect to the leucocyte count.
6647

CORTICOTROPIN
The role of the hypophyseal-suprarenal system in the etiopathogenesis of primary ketosis in cattle.
6767

CORTISONE
The influence of cortisone and low environmental temperature on experimental infectious canine hepatitis in the guinea-pig.
6878

Cortisone nephropathy in the rabbit. The effect of warfarin administration.
7195

CORYNEBACTERIUM INSIDIOSUM
Relationships of the clover root curculio, Fusarium wilt, and bacterial wilt in alfalfa.
5961

CORYNEBACTERIUM MICHIGANENSE
Additional sources of resistance to bacterial canker of tomato (Corynebacterium michiganense).
6109

CORYZA
Viral lung diseases of the cat.
6546

COSMOPOLITES
The Cosmopolites banana weevils (Coleoptera: Curculionidae: Rhynchophorinae).
5177

COSMOPOLITES SORDIDUS
Contribution to the knowledge of the Cosmopolites sordidus (Germar)(Coleoptera, Curculionidae). (2).
5216

COSTELYTRA ZEALANDICA
Incidence of Bacillus popilliae (Dutky) in Costelytra zealandica (White) larva.
5406

Preliminary note on a chemical attractant for the grass grub beetle (Costelytra zealandica (White)) from the flowers of elder (Sambucus nigra L.).
5508

COSTS
Bombs away on bugs.
5194

Suitability of pathogens for biological control.
5452

1967: The results of artificial biological control of the olive fly.
5480

Rational pesticide application.
5614

Report of the Suffolk County Mosquito Control Commission.
5633

Zootechnical initiatives carried out during 1966.
6422

Financing of measures for prevention and control of animal infections in the Republic of Macedonia.
6560

Production and sales of pesticides show increase.
7409

Cost to develop an avocado orchard in San Diego County.
7411

Costs to produce avocados in Ventura County.
7413

Cost to establish an avocado orchard in Ventura County.
7414

COTTON
Applying insecticides to cotton crops.
4971

Cotton pests control by ultra low volume spraying from the air.
5228

Parasitism in fall populations of the bollworm (Heliothis zea Boddie) and the tobacco budworm (Heliothis virescens F.) from cotton on the high and rolling plains, 1967.
5235

Effects of reroductive-diapause boll weevil (Heliothis zea Boddie) insecticidal control programs on the abundance of bollworms and tobacco budworms (Heliothis virescens F.) in cotton in the rolling plains of Texas, 1967.
5236

Cotton as a supplement to tobacco.
5807

Ultra low volume spraying of cotton.
5822

Hot-water treatment of seed as a method for decreasing the incidence of certain cotton and flax seedling diseases.
5857

Epidemiology of cotton leafcurl virus in the Sudan.
5946

Studies with two systemic fungicides, benlate and thiabendazole.
5962

Sorbic acid as an inhibitor of the Fusarinm vasinfectum fungus, which induces wilt in the cotton plant.
6030

Competitive saprophytic ability and inoculum potential of cotton root-infecting fungi in five soils.
6062

Insect control in cotton.
6186

Resistance to boll weevil (Anthonomus grandis Boh.) oviposition in cotton.
6197

Cotton production: Insects - comparative economic insect report.
6219

The pink bollworms of cotton, Pectinophora gossypiella Saund., in a protected northwest zone and diagnostic characteristics.
6227

Diapause gets 95 per cent kill.
6243

Cotton insect pest control.
6269

All we know about pink bollworms. 6271

Control cotton insects . 6278

Cotton and plant parasitic nematodes. 6298

Tropical nematology. 6305

Preplanting applications of prometryne in cotton. 6340

After coton is up, here are ways to keep it clean. 6346

Herbicides in cotton and their compatibility with soil-applied insecticides. 6388

Pesticide residues. 7135

Toxicity of DDT and related compounds to certain lepidopteran cotton insects. 7215

Cotton unaffected by systemics and herbicides. 7220

Penetration and distribution of some antibiotics in cotton tissue and its resistance to bacterial blight of cotton. 7221

Effects of organic arsenical herbicides on cotton response and chemical residues. 7222

Accustoming of fungi-antagonists to cotton rhizosphere and their effects on cotton productivity and disease with verticillium wilt. 7247

Changes in ration of sugars and amino acids in cotton-plant and maize upon gamma-irradiation of seeds prior to sowing. 7250

Effects of dimethyl sulfoxide on the biological activity of selected miticides and insecticides. 7280

Zirconium compounds as algaecides. Patent 3,446,656. 7336

Phenoxythioacetic esters as desiccants. Patent 3,445,221. 7366

COTTONSEED

Retardation of the elaboration of aflatoxin in cottonseed by impermeability of the seedcoats. 7268

COULTER COUNTER

Determination of nucleopolyhedron counts and size frequency distributions by means of a Coulter transducer. 6009

COUMAPHOS

Getting rid of camel mange. 6897

Evaluation of acaricidal dips for control of Psoroptes ovis on sheep. 6900

Coumaphos, a new anthelmintic for control of Capillaria obsignata, Heterakis gallinarum, and Ascaridia galli in chickens. 6940

COUMARIN

Anticoagulant resistance. (Part 2). 6640

Anticoagulant resistance in Europe. 7040

Interaction of CCC and Coumarin or IAA on seedling growth of rice. 7274

COVERED SMUT

Experiments on the control of cereal smuts with a derivative of 1,4-oxathiin. 5987

COWPEAS

Research on the associated culture of viruses and vegetable tissues. 6049

COXSACKIE VIRUSES

Virus enhancement with a growth product of Streptomyces scabies. II. Increased release of coxsackievirus B5 from hEp-2 monolayers treated with scaben. 5811

The olfactory bulb lesion in the hibenating squirrel (Citellus lateralis) infected with coxsackievirus B-3. I. Virus assay, light microscopic and immunofluorescent study. 6604

The olfactory bulb lesion in the hibernating squirrel (Citellus lateralis) infected with coxsackievirus B-3. II. Immunological study. 6816

CRABS

DDT residues absorbed from organic detritus by fiddler crabs. 7125

DDT residues absorbed from organic detritus by fiddler crabs. 7126

CRANBERRIES

1968 cranberry weed control chart. 6330

CREOSOTE

Tests of larvicides for control of salt-marsh sand flies (Culicoides), 1967. 5750

CRONARTIUM

Testing slash pine for rust resistance. 5975

CRONARTIUM QUERCUUM

A new species of Epuraea associated with eastern gall rust (Coleoptera: Nitioulidae). 5066

CRONARTIUM RIBICOLA

Growth of the rust fungus Cronartium ribicola in tissue cultures of Pinus monticola. 5952

CROOKED CALF DISEASE

Observations on crooked calf disease. 6814

Lupine, a cause of crooked calf disease. 6815

CROP LOSSES

Fruit growing note of the season. 5778

The present status of rice pest research and control. A literature review. 5827

Physiological studies on Phoma betae Frank and Rhizoctonia solani(Prill and Delacr.) Bourd and Galz which cause damping-off and root diseases of sugar beet in Egypt. 5867

Tropical crop losses with special reference to rice. 5978

Perennial canker and bull's eye rot of apples. 6007

Barley diseases in Western Australia. 6078

Alfalfa hopper damages small soybean plants. 6151

On the significance of the Lygus species as a plant pest. 6154

Insect pests of pulse crops. 6157

Description, damage and control of the southwestern corn borer. 6188

Insect pests of palm trees. 6230

The principle insect pests of beets and the means of their control in turkey. 6234

Insect pests of grain in the field of Turkey. 6235

How to control jute pests economically. 6267

Losses caused by potato cyst eelworm in the Isle of Ely. 6286

The muskrat in Loire-Atlantique. 6410

CROP ROTATION

The problems of plant disease control. 6034

Control of survival of Ophiobolus graminis between consecutive crops of winter wheat. 6072

Barley diseases in Western Australia. 6078

A nematode survey of tobacco soils in Rhodesia and Zambia, and the effects of grass-tobacco rotations on nematode populations. 6303

Developmental tendencies in phytonematology. 6308

Weed control in field brassica crops. 6321

Stubble burning helps control Wimmera rye grass. 6362

Influence of agrotechnical and chemical treatments on the changeableness of field plant associations. 6389

CROP VARIETIES

Kota, a new South Dakota oat. 5775

Copper and manganese content in different varieties of spring and winter wheat. 5783

Utility value of different cultivated Mentha piperita varieties. 5788

The present and future situation of peach culture in Ferrara. 5789

Corn with built-in insurance. 5796

Report on experiments with varieties of medium early to late potatoes for human consumption and industrial use 1964-1966 (series 46). 5806

Preliminary investigations on the phenomenon of photoluminescense of seeds of soybean. 5816

Avena magna: An important new tetraploid species of oats. 5824

Breeding potatoes for resistance to wart and golden nematode. 5828

Granny Smith versus Jonathan. 5840

Pest and disease control aspect of changing cropping patterns. 5842

Figs for commercial and home orchards in Louisiana. 5850

Kenaf promising as profit crop. 5851

Control of smut on sugarcane. Regulation of varieties of sugarcane which can be cultivated in the state of Sao Paulo. 5854

Results of tests of wheat varieties as to their resistance against grain diseases, carried out in the reclaimed land of the North East between 1961 and 1964. 5875

Results from the International Septoria assortment in 1966. 5876

The effect of viral infection on the total choline content in potato and black currant leaves. 5894

A study of factors influencing the genetics of reaction of barley to root rot caused by Helminthosporium sativum. 5896

Identification of soybean mosaic virus in Venezuela. 5907

Breeding for Septoria and Fusarium resistance in wheat. 5925

The inheritance of resistance to powdery mildew in the cantaloupe variety seminole. 5953

Progress through research- blue mould of tobacco. 5960

Controlling diseases of dwarf wheats. 5980

The powdery mildews on the ornamental plants. 5982

Studies on the varietal characters of Italian ryegrass. III. Varietal difference in degree of infection by crown rust. 5984

Perennial canker and bull's eye rot of apples. 6007

Studies on the natural accumulation of loose smut infection on wheat - Ustilago tritici (Pers.) Jensen. 6020

Tests on the behavior of X and Y viruses of some rieties of potatoes, important in Brazil. 6079

Considerations on the resistance of varieties of tomatoes to Fusarium wilt. 6080

Protection of vineyards from plant diseases. 6087

Screening rice varieties for resistance to bacterial blight. 6093

Investigations on yellow rust in wheat and barley, 1962-1965. 6096

Studies on the resistance to Anthracnose disease, (Gloeosporium ampelophagum) of grape varieties in Northern India. 6113

Rubbery wood disease becomes more extensive. 6121

All we know about pink bollworms. 6271

The golden nematode of potatoes and tomatoes. 6283

Developmental tendencies in phytonematology. 6308

Chemical weed control in high yielding rice varieties. 6393

Reduction in or elimination of cultural practices in potato cultures following the application of herbicides. 6394

Studies on the weed control in the paddy field. I. On the herbicidal weed control in wet and dry nurseries. II. On the herbicidal weed control at the early stage of rice plants in the paddy field. 6401

Reaction of selected sorghum varieties and lines to downy mildew. 7270

Investigation of the effect of growth inhibitors on shoot growth of Pozegaca plum cultivar. 7300

Effect of acar on bloom date of Richared apples. 7304

Relation between black spot and composition of the potato tuber. 7312

CROP YIELDS

Early season insects no problem for B. A. Jordan. 5196

Soya beans - specialist advice. 5777

Corn with built-in insurance. 5796

Results of tests of wheat varieties as to their resistance against grain diseases, carried out in the reclaimed land of the North East between 1961 and 1964. 5875

Results from the International Septoria assortment in 1966. 5876

Breeding for Septoria and Fusarium resistance in wheat. 5925

Zinc deficiency may limit maize yields. 6075

Tomato leaf mould: Its assessment and effects on yield. 6089

Investigations on yellow rust in wheat and barley, 1962-1965. 6096

Virus diseases of celeriac and carrots in Europe. 6133

Field studies on the chemical control of the stem borer Chilo partellus on hybrid sorghum in India. 6143

Cotton production: Insects - comparative economic insect report. 6219

Yield reduction of oats caused by the cereal leaf beetle. 6222

Cotton insect pest control. 6269

Control of eelworm diseases of bananas in Western Australia. 6291

Weed control in field brassica crops. 6321

Problems of herbicide treatments in the potato crop. 6327

Preplanting applications of prometryne in cotton. 6340

Herbicides for weed control in sweet potatoes. 6341

The economic importance of early weed control in cereals. 6354

Selective control of hoary alyssum in alfalfa. 6355

Nagal Thakaran no longer worries about weeds. 6361

Broadleaf weed control in rice. 6370

Reduction in or elimination of cultural practices in potato cultures following the application of herbicides. 6394

The effect of herbicide residue in the soil on the yield of winter wheat. 7123

Effects of growth retardants on Vitis vinifera L. 7218

The effect of some herbicides on weediness and yield of potatoes on alluvium soil. 7227

Accustoming of fungi-antagonists to cotton rhizosphere and their effects on cotton productivity and disease with verticillium wilt. 7247

The influence of indole-3-acetic acid and vitamin B1 on the growth and yields of sunflower plants. 7261

Influence of magnesium and zinc fertilizing on the yield, quality as well as health of hops. 7266

The effect of the dose and method of using herbicide A-1802 and cultivation measures on weediness and yield of corn. 7269

The effect of herbicides and cultivation measures on the yield of corn. 7271

The effect of trace elements on the yield and quality of camomile flowers and peppermint leaves. 7282

Effects of simulated radioactive fallout decay on growth and yield of cabbage, maize, peas and radish. 7298

Nitrogen increases bell pepper susceptibility to bacterial soft rot. 7309

Effects of 2-chloroethyl-trimethylammonium chloride (CCC) on yield and lodging of wheat. 7313

Groundnuts. 7410

CROPS

Man insects and pesticides. 5817

Host range studies of oat blue dwarf virus. 6274

Weed problems now and in the past. 6351

Isotopes in agriculture. 6440

Determination of residual bHC and lindane quantities in the soil and plants and investigations on their toxicity. 7091

Cost to develop an avocado orchard in San Diego County. 7411

Costs to produce avocados in Ventura County. 7413

Cost to establish an avocado orchard in Ventura County. 7414

CROWN GALL TUMORS

A study of the synthesis of lysopine from lysine by crown-gall tissues. 5994

CROWN GALLS

Preliminary observations placed in evidence that phages of Agrobacterium tumefaciens are responsible for Crown-Gall. 5966

Crown gall: Effect of temperature on tumorigenesis in pea seedlings. 5988

Study of the synthesis of lysopine by tissue extracts of crown-gall in vitro. 5993

A chemotherapeutic treatment for selectively eradicating crown gall and olive knot neoplasms. 6071

CROWN ROT

Suitability of several fungicides for treating soil infested with Phytophthora cactorum to prevent crown rot disease of apple trees. 6012

CROWN RUST

Resistance of genes isolated from Avena sterilis to isolates of oat crown rust prevalent in Canada in 1968. 5928

Studies on the varietal characters of Italian ryegrass. III. Varietal difference in degree of infection by crown rust. 5984

CRYPTOLESTES FERRUGINEUS

Temperature effects on the toxicity of five insecticides against five species of stored-product insects. 5384

CRYSTALLOGRAPHY

The classification of strains of Bacillus thuringiensis on the basis of the antigenic patterns of the toxic protein inclusions. 5521

CTENOPHTHALMUS

Flea Ctenophthalmus: Heterogeneous hexagonally organized layer in the midgut. 5558

CUCUJIDAE

Fumigate stored rice to reduce loss to insects. 7030

CUCURBITACIN E
Feeding of Aulacophora foveicollis on cucurbitacin. 6253

CUCURBITS
Cucurbit diseases, an aid to identification and control. 6135

CULEX
Observations on two species of Culex of the subgenus Melanoconion. 5349
Encephalitis field surveillance in Orleans Parish. 6903

CULEX ANNULIROSTRIS
Mosquito collections in a high rainfall area of North Queensland, 1963-1964. 5626
Attacks on cattle by mosquitoes and biting midges. 6908

CULEX NIGRIPALPUS
Culex nigripalpus: Seasonal shift in the bird-mammal feeding ratio in a mosquito vector of human encephalitis. 5753

CULEX PIPIENS
A temperature-controlled feeding apparatus for hematophagous arthropods. 4975
Infection rate of Culex pipiens L. mosquitoes with parasitizing fungus Entomophthora conglomerata Sorok. in the vicinity of Novocherkassk. 5382
Trial of carbophos on larvae of Aedes and Culex mosquitoes. 5504
Linkage of gold, its recessive lethality and sex-related variation in crossing-over in Culex pipiens (Diptera: Culicidae). 5722
Effects of sublethal doses of DDT on the reproduction and susceptibility of Culex pipiens L. 5773
The transmission of west equine encephalomyelitis virus from chicken to chicken by Culex pipiens (SAY). 6856

CULEX PIPIENS PIPIENS
Accessory glands of female Culex pipiens quinquefasciatus Say and autogenous Culex pipiens pipiens L. (Diptera, Culicidae): Appearance and behavior in relation to oogenesis. 5567
Studies on acute Marek's disease. VIII. The role of mosquitoes in transmission under experimental conditions. 6498

CULEX PIPIENS QUINQUEFASCIATUS
Mosquito control agents derived from petroleum hydrocarbons. III. The effect of FLIT MLO on first and second larval instars. 5470
Sterilizing effect of a phosphoramide on Culex fatigans Weid. 5530
Accessory glands of female Culex pipiens quinquefasciatus Say and autogenous Culex pipiens pipiens L. (Diptera, Culicidae): Appearance and behavior in relation to oogenesis. 5567
Insecticide resistance in the home of Culex pipiens fatigans Wiedemann. 5708
Studies on the mechanism of DDT-RESISTANCE in Culex pipiens fatigans. 5713
Genetical linkage relationships of DDT-RESISTANCE and dieldrin-resistance in Culex pipiens fatigans Wiedemann. 5741
Studies on acute Marek's disease. VIII. The role of mosquitoes in transmission under experimental conditions. 6498
Encephalitis field surveillance in Orleans Parish. 6903

CULEX QUINQUEFASCIATUS
Effect of certain alkylating and non-alkylating chemosterilants on Culex fatigans Weid. 5342
On the larvicidal action of crude cashewnut shell oil. 5757

CULEX TARSALIS
Mosquitoes feeding on insect larvae. 5359
Host preferences and discrimination by the mosquitoes Aedes aegypti and Culex tarsalis (Diptera: Culicidae). 5461
A bipolar differentiated gynandromorph of Culex tarsalis Coquillett, from Texas. 5476

CULEX TR ITAENIORHYNCHUS
Identification of the host range of Culex tritaeniorhynchus mosquitoes on Okinawa, Ryukyu Islands. 5765

CULICIDAE
Mosquitoes from the western Balkan mountains. 5001
Conditions of formation of water reservoirs-Breeding places of blood-sucking mosquitoes (Culicidae). 5200
A low volume spray system for twin-engine aircraft used in mosquito control. 5246
The physiology of mosquitoes. 5266
Sterilization of female mosquitoes with a hormone derived from male mosquitoes, Patent 3,450,816. 5272
Nonspecific esterases in mosquitos. 5316
Notes on the mosquitoes of the Islamic Republic of Mauritania. (Dipt. Culicidae). (2). 5351
Host preferences and discrimination by the mosquitoes Aedes aegypti and Culex tarsalis (Diptera: Culicidae). 5461
Mosquito control agents derived from petroleum hydrocarbons. III. The effect of FLIT MLO on first and second larval instars. 5470
A bipolar differentiated gynandromorph of Culex tarsalis Coquillett, from Texas. 5476
Disaster aid for mosquito control agencies. 5525
Recent advances in the physiology and biochemistry of Plasmodia. 5526
Some effects of Metarrhizium anisopliae and its toxins on mosquito larvae. 5564
Accessory glands of female Culex pipiens quinquefasciatus Say and autogenous Culex pipiens pipiens. L. (Diptera, Culicidae): Appearance and behavior in relation to oogenesis. 5567
Michigan's priority war on mosquitoes. 5601
Mosquito collections in a high rainfall area of North Queensland, 1963-1964. 5626
Report of the Suffolk County Mosquito Control Commission. 5633
Karyotypes of some Asian mosquitoes of the subfamily Culicinae (Diptera: Culicidae). 5696
Morphological divergences and sterility barriers in the Aedes mariae complex (Diptera, Culicidae). 5699
Gambusia for Colorado. 5746
A possible role of blood-sucking mosquitoes in spread of arbovirus infection in the area of the Zaisan Lake. 5747
Falciparum malaria transmissible from monkey to man by mosquito bite. 5751
Unique problems in insect and pest control of NASA's Mississippi Test Facility. 5755
Report of thirty-ninth annual meeting. 5756
Five new cases of Chagas' disease in Zacatecas and Jalisco in the Republic of Mexico. 5760
Identification of the host range of Culex tritaeniorhynchus mosquitoes on Okinawa, Ryukyu Islands. 5765
Mosquito control and/or honey bees. 5769
Studies on a biological and a chemical method of controlling the dark rice field mosquito in Louisiana. (abstracts). 6168
Western Encephalitis virus in Alberta. 6812
Salt marsh mosquito control in relation to beef cattle production: A preliminary report. 6904
Attacks on cattle by mosquitoes and biting midges. 6908
Pelecitus ceylonensis n. sp. from the chick and ash-dove experimentally infected with larvae from Mansonia crassipes, and from naturally-infected crows in Ceylon. 6938

CULICOIDES
Tests of larvicides for control of salt-marsh sand flies (Culicoides), 1967. 5750

CULISETA INORNATA
Growth of cells derived from Culiseta inornata and Aedes vexans in tissue culture. A preliminary note. 5638

CULTURAL CONTROL (INSECTS)
Controlling the Japanese beetle. 5187
Observation on Laspeyria pactolana Zell.: A pyralid of verticillate Picea. 5214
Possibilities of mass-producing insect pathogens. 5381
The biology and control of the Ceanothus stem-gall moth, Periploca ceanothiella (Cosens). 5446
Resistant corn rootworms... A problem almost everywhere. 6149
Description, damage and control of the southwestern corn borer. 6188
Alfalfa weevil control, 1969. 6206
Grasshopper control 1969. 6207
Insect pests of palm trees. 6230
Insect pests of grain in the field of Turkey. 6235
Countering the castor semi-looper. 6236
Preliminary observations on Heteronychus robustus ArrowA beetle pest of sugarcane in Uttar Pradesh. 6250

All we know about pink bollworms. 6271

CULTURAL CONTROL (PLANT DISEASES)

Fruit growing note of the season. 5778

The present status of rice pest research and control. A literature review. 5827

An aerial view of take-all. 5863

Diseases of the seed potato; how to recognize them before planting. 5905

The stripe smut problem in Merion Bluegrass. 5965

Methods for protecting melons from cucumber mosaic virus. The benefit of covering the soil with plastic reflecting films. 6015

Stem rot of oil palms in the Federal Experiment Station, Serdang. 6026

Controlling diseases of oilseed crops. 6046

Moniliasis of plum-trees. Biology and methods of control. 6054

Barley diseases in Western Australia. 6078

Iron chlorosis in relation to irrigation practices. 6123

Vegetable diseases, II. An aid to identification and control. 6136

A nematode survey of tobacco soils in Rhodesia and Zambia, and the effects of grass-tobacco rotations on nematode populations. 6303

CULTURAL CONTROL (WEEDS)

Proclaimed noxious weeds in Victoria. 6312

Proclaimed noxious weeds. 6313

Weed control in corn. 6333

Herbicide versus cultivation for corn with two methods of seedbed preparation. 6343

Weed problems now and in the past. 6351

Weed control in California vineyards. 6358

Stubble burning helps control Wimmera rye grass. 6362

Cultural and chemical weed control in field crops, 1969. 6365

Weed control in nursery sod. 6371

Precision methods for better weed control. 6380

Weeds in barley and their control. 6381

Alligatorweed found in Arkansas. 6384

Brush research in Texas, 1968. 6390

Reduction in or elimination of cultural practices in potato cultures following the application of herbicides. 6394

Burning weeds in drainage ditches to suppress populations of green peach aphids and incidence of beet western yellows disease in sugarbeets. 6395

Experimental husbandry farm experience with herbicides and tillage systems for cereal growing. 6399

The effect of the dose and method of using herbicide A-1802 and cultivation measures on weediness and yield of corn. 7269

The effect of herbicides and cultivation measures on the yield of corn. 7271

CULTURE MEDIA

The stimulation of 2,4-dinitrophenol-activated ATPASE by anions. 4976

The photoperiod as a control agent against Adoxophyes reticulana (Lepidoptera; Tortricidae). 5193

The toxic action of Bacillus thuringiensis exotoxin on Drosophila reared in yeast-containing and yeast-free media. 5221

Contribution to the studies of the activity spectra of the strains of Bacillus thuringiensis Berliner. 5244

Studies of house flies. I. Breeding of Musca sorbens, Wied.. 5282

Growth, sporulation and germination of spores of Bacillus thuringiensis var. thuringiensis Berliner. 5293

Nicotinamide-adenine dinucleotide-linked form of lactic dehydrogenase of the symbionts and fat bodies of a cockroach. 5295

The nematodes DD-136 (Neoaplectana sp.) and Neoaplectana carpocapsae Weiser, 1955 (Rhabditoidea) as insect parasites. A literature review. 5499

Exudates of germinating spores of Bacillus thuringiensis. 5502

Maintenance of imaginal discs of Drosophila melanogaster in chemically defined media. 5563

Limitation of the Colorado beetle by nematodes and prospects for their practical utilization. 5580

Alteration of some properties of Bacillus thuringiensis by means of passages through the insects and cultivation on nutrient media. 5605

Influence of temperature on the rate of development of six varieties of the Bacillus cereus group. 5615

Male genital disc defect in Drosophila melanogaster. 5683

Comparative behavior of the oospores and oogonia of Phytophthora citricola during germination on an artificial medium. 5798

Changes in growth and metabolism of excised pea roots associated with iron deficiency. I. Changes in number of cells, nitrogenous constituents and respiration rate. 5856

Studies on the application of the Castellani method of preserving plant pathogenic fungi. 5927

A microbiological control of Melampsora medusae. 6011

Control of Armillaria mellea with systemic chemicals. 6018

Mycological techniques in plant pathology. 6044

Research on the associated culture of viruses and vegetable tissues. 6049

The response to phosphorus of some ecologically distinct plant species. I. Growth rates and phosphorus absorption. 6058

Rhytidiella moriformis n. gen., sp. causing rough-bark of Populus balsamifera. 6140

Morphological transformations and lysis of Halobacterium salinarium by 4-(2,4-dichlorophenoxy)butyric acid and related compounds. 6377

Suitable blood sources permitting reacquisition of infectivity by culture-form Trypanosoma (Trypanozoon) brucei. 6461

Glucose-dependent secretion and destruction of hydrogen peroxide by Mycoplasma pneumoniae. 6526

Behavior of equine infectious anemia virus in cell culture and development of a diagnostic test for the disease. 6562

Influence of synthetic insect T. C. medium on the survival of malaria sporozoits in vitro (Plasmodium berghei yoeli and P. cathemerium). 6576

Nutritional requirements of Pasteurella tularensis for growth from small inocula. 6609

An endogenously produced substance essential for growth initiation of Pasteurella tularensis. 6610

Clostridium septicum infection in a broiler flock. 6622

Localization of P32 labeled Mycobacterium tuberculosis in fowl organisms. 6636

Influence of various strains of the Aujeszky virus on the metabolism of cells cultured in vitro. 6658

Properties of the in vitro soluble RNA methylase activity of hamster tumors induced by adenovirus-12. 6713

Aspergillosis in Japanese quail. 6749

Effects of freezing on African horse-sickness virus. 6754

Adaptation,culturing of R. sibirica in rabbit lice and preparation of a combined antigen for diagnosis of infection. 6783

A hemagglutination-inhibition test for Mycoplasma meleagridis antibodies. 6787

Immunoglobulin development in sera of pigs injected with killed suspensions of Salmonella choleraesuis. 6788

Isolation of Arizona 7:1,7,8 from litter of pens housing infected turkeys. 6824

Experimental salmonellosis in swine and its clinical-hematological characteristics. 6825

Evaluation of several methods of isolating salmonellae from poultry litter and animal feedstuffs. 6836

Biochemical and biophysical characteristics of vesicular exanthema virus and the viral ribonucleic acid. 6864

Salmonella penetration of the outer structures of white- and speckled-shell turkey eggs. 6868

In vitro culture and hatching of Ascaridia galli eggs. 6924

A single-spore analysis of rust pustules produced by mixing isolates of two races of Puccinia coronata var. avenae. 7023

Interaction of salt, pH, and temperature on the growth and survival of Salmonellae in ground pork. 7047

The pigmented coliforms of dehydrated food. 7051

Low temperature growth of type E Clostridium botulinum spores. 1. Effects of sodium chloride, sodium nitrite and pH. 2. Effects of solutes and incubation temperature.
7055

Gas chromatographic analysis of head-space vapors to identify micro-organisms in foods.
7058

The isolation of salmonellas from animal feedingstuffs.
7059

Production of enterotoxin-B in cured meats. genigeorgis, c.
7063

Action of microorganisms on the peroxides and carbonyls of fresh lard.
7066

Accelerated procedure for Salmonella detection in dried foods and feeds involving only broth cultures and serological reactions.
7068

Effect of DDT and dieldrin on RNA and protein synthesis in subcellular fractions of HeLa S cells.
7097

Antifungal action of a phosphate ester pesticide, O-Mchlorophenyl O,O-dimethyl phosphorothioate, used in nutrient media for fungi. (abstract).
7175

Retardation of the elaboration of aflatoxin in cottonseed by impermeability of the seedcoats.
7268

CURCULIONIDAE

A revision of the Nedtropical genus Metamasius (Coleoptera, Curculionidae, Rhynchophorinae).
5162

The Cosmopolites banana weevils (Coleoptera: Curculionidae: Rhynchophorinae).
5177

Locomotory responses to temperature in the grain weevil, Sitophilus granarius (L.) (Coleoptera: Curculionidae).
5210

Contribution to the knowledge of the Cosmopolites sordidus (Germar)(Coleoptera, Curculionidae). (2).
5216

Diseases and pests of coconut in Kerala.
5814

The water weevil problem.
6146

The biology, ecology and control of Vanapa oberthuri Pouill. Coleoptera; Curculionidae in hoop pine Araucaria plantations in New Guinea.
6152

Alfalfa insects in Ohio.
6158

Control of insects on alfalfa and red clover.
6185

How to control jute pests economically.
6267

CURRANTS

The effect of viral infection on the total choline content in potato and black currant leaves.
5894

The red currant gall mite can be controlled by spraying.
6268

Weed control techniques aid trials with hedge row planting of blackcurrants.
6314

CURVULARIN

Curvularin-containing animal feed for promoting growth and increasing feed efficiency. Patent 3,436,223.
6447

CUTICLE

The larval and imaginal oenocytes of Callosobruchus maculatus (Fabricius) (Coleoptera: Bruchidae).
5512

Evidence of a nonspecific type resistance to insecticides by a resistant strain of the tobacco budworm.
5516

The growth and activity of the corpora allata in the larval firebrat, Thermobia domestica (Packard) (Thysanura, Lepismatidae).
5669

Cuticular water pump in insects.
5681

Cuticle ultrastructure of the Meloidogyne hapla larva.
6292

CYAZID

Home produced cyazid is a highly effective anthelminthic against sheep dictyocaulosis.
6985

CYCAS CIRCINALIS

The preparation of L- and D-alpha-amino-beta-methylaminopropionic acids and the identification of the compound isolated from Cycas circinalis as the L-isomer.
7311

CYCLOHEXIMIDE

Biological investigations of an infiltration area and experiments with some algicides.
7076

CYCLOHEXYL-5,6-DIHYDRO-7-METHYL-5-CYCLOPENTA(D)PYRIMIDINE-

Control of undesirable vegetation. Patent 3,436,207.
6386

CYCLOPHOSPHAMIDE

Effect of cytostatics on the replication of vaccinia, pseudo-rabies and sindbis viruses and on the interferon production by tissue culture cells.
6791

CYCLOPROPANECARBOXYLIC ACID

Pyridine esters of cyclopropanecarboxylic acid. Patent 3,438,993.
7385

CYCOCEL

A note on cycocel (2-chloroethyl trimethyl ammonium chloride), a newly released plant growth regulant.
7263

CYMBIDIUM

Some experiments on the transmission of Cymbidium mosaic virus and Odontoglossum ringspot virus.
5970

Botrytis flower spot control in orchids.
6037

CYNIPIDAE

Cynipinae (Hymenoptera) occurring on Phlomis L.
5128

CYNODON DACTYLON

Bacterial blight disease of Cynodon dactylon pers..
5912

Disease control.
6138

Effects of spittlebug injury on root production and sod reserves of Coastal bermudagrass.
6264

Effect of paraquat on the nitrogen content and regrowth of Coastal bermudagrass (Cynodon dactylon (L.) Pers.).
7219

CYPERUS ESCULENTUS

A sub-surface applicator for herbicides.
7399

CYSTICERCUS

Visceral cysticercosis in bovine animals.
7000

CYSTS

The conditions for occurrence of potato root eelworm (Heterodera rostochiensis Woll.) in Poland.
6302

Pancreatic enzymes initiating excystation of Eimeria acervulina sporozoites.
6554

Identification of enterococci in chicken livers.
6762

Cystic endometrium in Western Australian cattle.
6841

Remarks concerning the experimental infestation of guinea pigs with the East African strain of Trichinella spiralis.
6946

The guilty fox.
6977

Survival of encysted larvae of Trichinella spiralis: Effect of exposure to 0 F, using precooled and fresh ground pork.
7039

CYTOCHROME OXIDASE

Cytochrome c oxidase in migrating larvae of Ascaris lumbricoides var. suum.
7014

CYTOGENETICS

Nucleic acid content of a diploid and of a triploid strain of Drosophila melanogaster.
5705

Chromosomal rearrangements induced in Drosophila salivary gland chromosomes by an acridine half mustard.
5715

On the multiple sex-chromosome mechanism in Trapezonotus arenarius L. (Heteroptera, Lygaeidae).
5724

On polymorphism within a chromosomes from populations of ground beetles Carabus auronitens Fabr.
5745

Establishment and characterization of a feline neurofibrosarcoma (FNFS) cell line.
6746

Cytogenic activity of the herbicides-simazine and maleic acid hydrazide.
7302

CYTOKININS

Increases in the levels of cytokinins in bleeding sap of Vitis vinifera L. after CCC treatment.
7295

CYTOLOGY

Changes in neurosecretory activity at different stages in the adult Hyalomma dromedarii Koch, 1844.
5287

Cytodifferentiation during insect metamorphosis: The galea of silkmoths.
5399

Contribution to the study of higher termite digestion.
5417

In vivo and in vitro cytological diagnosis of densonucleosis in Lepidoptera.
5469

Karyological studies on the Indian spiders. VIII. Mitosis and meiosis in two species belonging to the family Gnaphosidae.
5478

Oogenesis in the parthenogenetic stick insect Sipyloidea sipylus Westwood (Orthoptera, Phasmidae).
5529

Electron microscopy of the development of the lining of the sporoblast in the coccidian Coelotropha durchoni.
5535

Ultrastructure of the secretory inclusions of the salivary gland cell in Drosophila.
5562

Cell cultures derived from larvae of Aedes albopictus (Skuse) and Aedes aegypti (L.).
5609

Cytochemical studies on the neurosecretory cells of the brain of Labidura riparia Pallas (Dermaptera).
5611

Growth of cells derived from Culiseta inornata and Aedes vexans in tissue culture. A preliminary note.
5638

Polytene chromosomes in silk gland cells of the silkworm, Bombyx mori.
5727

Spermiogenesis in wild type and in a male sterility mutant of Drosophila melanogaster. 5738

Virus enhancement with a growth product of Streptomyces scabies. I. Production and properties of scaben. 5810

Mesosomes in m-tyrosine-inhibited Bacillus thuringiensis. 6474

Electronmicroscopic, cytochemical and immunochemical study of B. anthracis and B. cereus. 6477

Attempts to induce recombinant somatic cells in chicken erythrocyte chimaeras by repeated injection of western equine encephalomyelitis virus. 6660

Cytolytic plasma factor in experimental coccidioidomycosis. 6688

Transformation of chick fibroblast cultures with avian myeloblastosis virus. 6731

Crystalline inclusions in Bacillus thurineiensis. 6747

Fowl pox inclusion-body formation in skin epithelium of chicks. 6817

Spermtail finestructure of Echinococcus granulosus and Dicrocoelium dendriticum. 6978

Cytochemical effects of indoleacetic acid and kinetin on megagametophytic development in Lilium. 7245

CYTOPLASM

Conditions for the massive multiplication of the intestinal cytoplasmic virus of Mamestra brassicae L. (Lepidoptera). 5426

Oogenesis in the parthenogenetic stick insect Sipyloidea sipylus Westwood (Orthoptera, Phasmidae). 5529

Characterization of a cytoplasmic fraction from Sindbis virus-infected cultures. 6553

D

Control of pasture Aedes mosquitoes by dripping larvicides into flowing water, with notes on residues in a pasture habitat. 5486

Methods of controlling protozoa infections with N-substituted 1,4-diamino 2,3-anthraquinonedicarboximides. Patent 3,436,460. 6495

Studies on a series of branched-chain analogs of diethyl malathion and malaoxon with regard to toxicity and in vitro enzymatic reactions. (abstract). 7151

D, 2,4-

Range recovery and production as influenced by nitrogen and 2,4-D treatments. 5826

Herbicide action on Fusarium graminearum Schw. 5831

Proclaimed noxious weeds. 6313

Weeds that make a comeback. 6315

Progress in witchweed control seen as pest fails to spread. 6319

Weed and brush control for drainage ditches. 6320

Results from experiments with herbicides for weed control in pea grain crops grown in Dobroudja. 6336

Repeated spraying to control southwest Oregon brush species. 6338

Ten keys to herbicide effectiveness. 6342

Chemical growth inhibition in turf. 6349

Nagal Thakaran no longer worries about weeds. 6361

Herbicidal control of western ironweed. 6363

Broadleaf weed control in rice. 6370

Weed control in nursery sod. 6371

Alligatorweed found in Arkansas. 6384

Controlling weeds in turf. 6387

Chemical weed control in sweet potatoes. 6396

Herbicidal treatment effect on carbohydrate levels of alligatorweed. 6397

Effect of range treatment with 2,4-D on rodent population. 6408

Locoweed poisoning. 6581

Industrial fertilizers as herbicides seen in the light of new and old experiments. 7102

Translocation of labeled assimilates into and out of bean leaves as affected by 2,4-D and benzyl adenine. 7262

Enhancement by 2,4-dichlorophenoxyacetic acid of chromatin RNA polymerase in soybean hypocotyl tissue. 7278

DACTHAL

Chemical weed control in sweet potatoes. 6396

DACTYLIS

Translocation and metabolism of C14-labeled tetramine by Douglas-fir, orchard grass, and blackberry. 7284

DACUS OLEAE

1967: The results of artificial biological control of the olive fly. 5480

DAIRY BACTERIOLOGY

The effect of mastitis on the freezing-point of cows' milk. king, j o l. 6451

DAIRY CATTLE

Zootechnical initiatives carried out during 1966. 6422

S.N.F. content of milk. 6446

The route to control of mastitis. 6465

Effective attack on mastitis...at last. 6466

Treatment of anoestrus in dairy cattle. 6624

Ovarian cycle in cows with irregular estrus cycles. 6644

Correlation of four mastitis detection tests with respect to the leucocyte count. 6647

Survey of dairy herds in the Moss Vale district of New South Wales. 1. Disease wastage. 6711

Salmonella typhimurium infection in dairy cows. 6763

Field observation of a mucosal type of disease at Aarey Milk Colony. 6826

Study indicates most dairy cattle have worms. 6913

DAIRY EQUIPMENT

A temperature-controlled feeding apparatus for hematophagous arthropods. 4975

Insect and mite control on ornamentals. 5471

Home garden insect control. 5472

Determination of nucleopolyhedron counts and size frequency distributions by means of a Coulter transducer. 6009

Control of vegetable insects and diseases. 6017

Chemical soil treatment for nematode control in tobacco. 6307

Precision methods for better weed control. 6380

1967 guide to chemical weed control. 6385

Turkey management guide. 6441

Pressurised soil fumigation equipment for control of eelworm. 7397

Cost to develop an avocado orchard in San Diego County. 7411

Cost to establish an avocado orchard in Ventura County. 7414

DAIRY FARMS

Simple, safe, effective fly control for dairy farms. 5301

DAIRY INDUSTRY

Animal science. 6442

Penicillin and other inhibitory substances in milk: The development and application of a routine test in New Zealand. 7061

DAIRY PRODUCTS

Experience with a shorter extraction procedure for insecticide residues from liquid milk products. 7114

Distribution of Strontium 90 and Cesium 137 in dairy products in the processing of ewe's milk. 2. In white brined cheese. 7140

DALAPON

Weed control and the economics of direct reseeding. 6318

Populations of dalapon-decomposing bacteria in soil as influenced by additions of dalapon or other carbon sources. 7093

Response of flax to postemergence herbicides. 7314

Gas chromatographic analysis of dalapon in water. 7342

DAMPING-OFF

Physiological studies on Phoma betae Frank and Rhizoctonia solani(Prill and Delacr.) Bourd and Galz which cause damping-off and root diseases of sugar beet in Egypt. 5867

DANAIDAE

Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. LXXVIII. Lepidoptera: Nymphalidae, Danaidae and Riodinidae. 5034

Heart poisons in the monarch butterfly. 5554

DANAUS PLEXIPPUS

Ultrastructure of a cytoplasmic polyhedrosis virus affecting the monarch butterfly, Danaus plexippus. I. Development of virus and normal polyhedra in the larva. 5197

Morphological cell death in the post-embryonic development of the insect optic lobes. 5503

Heart poisons in the monarch butterfly. 5554

DASINEURA BRASSICAE
New insecticides against pests of rape and beets. 6248

DATES
Aphytis mytilaspidis (Le Baron), a parasite of Parlatoria blanchardi (Targ) in the palm plantations of the Adrar region of Mauritania. 6211

DATURA STRAMONIUM
Preliminary observations placed in evidence that phages of Agrobacterium tumefaciens are responsible for Crown-Gall. 5966

DDT
A summary of forest and shade tree insect-disease conditions for Maine 1967. 4979
Mites collected from Douglas-fir foliage in Montana. 5030
Studies on the age composition of Anopheles culicifaces populations in India at different phases of development of resistance to DDT. 5159
The induction of NAD kinase by DDT in Triatoma infestans. 5182
Some properties of the microsomal system metabolizing DDT in Triatoma infestans. 5183
How to control bed bugs. 5185
Controlling the Japanese beetle. 5187
Early season insects no problem for B. A. Jordan. 5196
Change in the photic reaction due to DDT in the grain weevil, Sitophilus granarius (L.)(Coleoptera: Curculionidae). 5209
Insecticidal operations against chironomid midges along the Blue Nile. 5240
Biology and control of leopard moth on pear trees in the United Arab Republic. 5294
Notes on the mosquitoes of the Islamic Republic of Mauritania. (Dipt. Culicidae). (2). 5351
DDT resistance in Oncopera. 5355
Toxicological studies on cutworms. I. Laboratory studies on the toxicity of insecticides to the dark-sided cutworm. 5357
On the biology of Simulium damnosum Theobald, 1903, the main vector of onchocerciasis in the Mahenge Mountains, Ulanga, Tanzania. 5360
Gas-liquid chromatography analysis of DDT metabolism in Aedes aegypti. 5370
Effects of forest spraying with DDT on aquatic insects of salmon streams in New Brunswick. 5380
Temperature effects on the toxicity of five insecticides against five species of stored-product insects. 5384
Laboratory tests of larvicides for mosquito control in potable waters. (abstract). 5389
Insects and related pests of house plants; how to control them. 5395
Incidence of Bacillus popilliae (Dutky) in Costelytra zealandica (White) larva. 5406
Chlorinated hydrocarbon insecticide inhibition of cockroach and honey bee ATPases. 5414
Co-resistance and resistance inheritance in a dieldrin resistant laboratory stock of the clothes moth (Tineola bisselliella (Hum.), Lep.). 5423
The biology and control of the Ceanothus stem-gall moth, Periploca ceanothiella (Cosens). 5446
The leatherjacket risk grows. 5447
Southern tree chapter briefed on borer control. 5459
Trial of carbophos on larvae of Aedes and Culex mosquitoes. 5504
The determination of the insecticidal activity of an 8 year old sample of DDT by biological method. 5509
Evidence of a nonspecific type resistance to insecticides by a resistant strain of the tobacco budworm. 5516
New strategy against the codling moth. 5520
New horizons in the fight against insects. 5524
Insecticide resistance in the house fly: Decreased rate of absorption Is the mechanism of action of a gene that acts as an intensifier of resistance. 5532
On the use of Bacillus thuringiensis-insecticide combinations to control insect pests. 5537
The influence of site application on the toxicity of insecticides in red cotton bug, Dysdercus cingulatus, F. 5549
Response of the striped lynx spider, Oxyopes salticus, to two commonly used pesticides. 5550
Michigan's priority war on mosquitoes. 5601
Effect of insecticide poisoning on chemoreception in the house fly, Musca domestica vicinaL. (Diptera: Muscidae). 5619
Apparent DDT tolerance in an aquatic insect disproved by test. 5622
Fewer pesticides- More control. 5656
European pine shoot moth. 5663
Susceptibility of an alfalfa leafcutting bee to residues of insecticides on foliage. 5668
Insecticide resistance in the home of Culex pipiens fatigans Wiedemann. 5708
Studies on the mechanism of DDT-RESISTANCE in Culex pipiens fatigans. 5713
Carbamate and phosphate resistance in adult granary weevils. 5716
Linkage of gold, its recessive lethality and sex-related variation in crossing-over in Culex pipiens (Diptera: Culicidae). 5722
Genetical linkage relationships of DDT-RESISTANCE and dieldrin-resistance in Culex pipiens fatigans Wiedemann. 5741
Malaria and victory in Vietnam. 5763
Efficacy of use of some phospho-organic compounds as acaricides in foci of tick-borne encephalitis. 5772
Effects of sublethal doses of DDT on the reproduction and susceptibility of Culex pipiens L. 5773
Synthetic routes to 1,1,1-trichloro-2,2-Bis(p-chlorophenyl) ethane-2-d, deutero-DDT. 5774
Conversion of DDT to DDD in soil and the effect of these compounds on soil microorganisms. 5809
Effects of insecticides on insects and pathogenic fungi associated with alsike clover roots. 5815
Science and sense. As presented to the Weed Society of America, February 8, 1966. 5819
A new disease of bananas in the Cauca Valley: a bacteriosis. 5999
DDT and the farmer. 6148
Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen. 6150
Insect pests of pulse crops. 6157
Insecticide control of Heliothis punctigera Wallengr. II. Linseed crop, 1961. 6159
Factors affecting the appearance of holly oaks in Southern California. 6160
Chemical control of the tea tortrix (Homona coffearia Nietner). 6171
Hylemyia cilicrura Rond. on the Dianthus cultures of Pescia and Versilia. 6174
Porina and grassgrubs put curbs on production. 6187
Those hungry gypsies (Photo story). 6189
Indications on plant care for olive crop cultivation. 6192
Insecticidal field treatments for the control of the European corn borer. Ostrinia nubilalis (Hubner) in Southwestern Quebec, 1967. 6193
Timing insecticide applications for European corn borer control in Southwestern Quebec, 1967. 6194
Chemical control of codling moth with DDT and sevin, the resistance problem of codling moth to DDT and additional observations on the effect of fruit thinning of sevin. 6195
Bloodworms- pests of rice. 6200
Development of resistance to DDT by the apple maggot, Rhagoletis pomonella. 6214
The South African carnation roller moth Epichoristodes acerbella (Walk.) Diakonoff. 6220
Maryland arborists discuss insect control. 6221
The oriental fruit moth and its control. 6223
The codling moth and its control. 6224
Capsid bugs on fruit. 6225
Controlling peach yellows in a peach breeding program. 6232
The principle insect pests of beets and the means of their control in turkey. 6234
Countering the castor semi-looper. 6236
Essay on insecticidal treatments on the apple fruit fly, Rhagoletis pomonella (Walsh) in southwest Quebec. 6237
Navy bean pests. 6238
Pests of legume seed crops in north Queensland. 6245
Effect of climatic factors on the susceptibility of insects to insecticdes. 6251

Brinjal leaf roller.
6255

Control of the corn earworm on sweet corn in Eastern Nebraska.
6256

DDT-C14 translocation in alfalfa.
6270

Bark beetles.
6273

Can we conquer the 'mighty' mites .
6293

Influence of certain insecticides applied for the control of Ostrinia nubilalis Hbn. on the weeds of treated surfaces.
6372

New contributions to the subject 'birds and agriculture'.
6411

The effects of DDT on a breeding population of the rufoussided towhee (Pipilo e. erythrophthalmus Linnaeus).
6418

Effect of some pesticides on the adrenal glands in the rat.
6424

Relation between DDT in diets of laying birds and viability of their eggs.
6431

Evidence for conversion of DDT to TDE in rat liver: Ii. Conversion of p,p'DDT to p,p'TDE in axenic rats.
6753

Getting rid of camel mange.
6897

Houseflies, blowflies and cluster flies.
6901

Saving stored rice from attacks of insect pests.
7037

DDT: The critics attempt to ban its use in Wisconsin.
7071

Environmental pollution: Scientists go to court.
7072

Pesticides and man's environment.
7073

Environmental contamination problems.
7074

DDT: Criticism, curbs are on the upswing.
7077

Pesticides: Transatlantic movements in the Northeast trades.
7079

Interaction of pesticides with natural organic material.
7081

Persistent pesticides.
7083

Reduction of residues of heptachlor and chlordane in carrots with soil applications of activated carbon.
7085

The effect of a pretreatment with phenobarbital on the metabolism of DDT in dairy cows and young bulls.
7086

DDT. Sublethal effects on brook trout nervous system.
7087

University of Wisconsin scientists discuss insecticides and pollution.
7088

No serious problem with pesticide residues.
7089

More about the pesticide residue problem.
7090

Accumulation of DDT and dieldrin by microorganisms.
7095

In vitro degradation of DDT by intestinal contents of Atlantic salmon (Salmo salar).
7096

Effect of DDT and dieldrin on RNA and protein synthesis in subcellular fractions of HeLa S cells.
7097

Some observations on the effects of using organochlorine sprays in an orchard.
7098

Pesticide residues are not a problem.
7099

An epidemiologic application of the study of DDE levels in whole blood.
7100

Effects on wild young salmon of spraying DDT over New Brunswick forests.
7103

No effect level of DDT in induction of microsomal epoxidation.
7105

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agriculture commodities. DDT.
7106

Effects of forest spraying with DDT in New Brunswick on food of young Atlantic salmon.
7111

Fish losses after forest sprayings with insecticides in New Brunswick, 1952-62, as shown by caged specimens and other observations.
7112

Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary.
7113

Effect of direct steam heating and vacuum treatment on levels of pesticide residues in milk.
7119

Organochlorine insecticide residues in complete prepared meals: A 12-month survey in S. E. England. (abstract).
7121

DDT residues absorbed from organic detritus by fiddler crabs.
7125

DDT residues absorbed from organic detritus by fiddler crabs.
7126

Retention and vooatilization of lindane and DDT in presence of organic colloids isolated from soils and leonardite.
7129

Pesticide residues.
7135

Pesticide levels and fluctuation in soil bacteria in an irrigated field and a pond of southwest Texas.
7137

Pesticide residues - USDA'S position.
7139

DDT and related chlorinated hydrocarbons: Their metabolism in the chick and their induction of microsomal ensymes.
7142

Enhanced metabolism of methyprylon, meprobamate, and chlordiazepoxide hydrochloride after chronic feeding of a low dietary level of DDT to male and female rats.
7152

Treatment of topical fungus infections with dichlorodiphenyltrichloroethane. Patent 3,389,049.
7163

An in vitro and in vivo study of the effect of DDT on the phagocytic activity of rat white blood cells.
7174

Interaction of DDT with the components of lobster nerve membrane conductance.
7190

Residues in the body fat of steers fed kelthane in their ration. (Abstract).
7192

Combined action of DDT with chlorophos and of thiophos with chlorophos.
7206

Toxicity of DDT and related compounds to certain lepidopteran cotton insects.
7215

Effect of DDT, dieldrin, heptachlor on the growth of selected bacteria.
7234

Effect of DDT, dieldrin and heptachlor on the growth of selected bacteria. (Abstract).
7235

Conversion of DDT to DDD by pathogenic and saprophyt ic bacteria associated with plants.
7254

DDT - type compounds: Separation and identification by a system combining thin layer chromatography, gas chromatography, and infrared spectroscopy.
7323

Metabolism of DDT by rumen microorganisms in vitro. (Abstract).
7345

Photochemical decomposition of DDT by a free-radical mechanism.
7361

Degradation of gamma-BHC in simulated lake impoundments as affected by aeration.
7362

Estimation of DDT in factory waste.
7372

Microscopic identification of some chlorinated hydrocarbon insecticides on different substrata.
7381

On the toxicology of Pyrethrum to warm blooded animals.
7384

Rapid colorimetric determination of DOT in milk and butter.
7389

Formulation analysis: The effect of different storage treatments on the susceptibility, agglomeration and deterioration of surfactants of DDT water-dispersible powders.
7398

Theoretical and practical aspects of room spraying.
7401

DEATH

Morphological cell death in the post-embryonic development of the insect optic lobes.
5503

Review of the most important causes of death and disease of dogs over a period of 15 years.
6448

Cattle fatality caused by bites of Odagmia ornata (Diptera, Simuliidae).
6895

DECARBOXYLASES

The decarboxylation of luciferin in firefly bioluminescence.
5531

DECAY

Ammonia poisoning in carp. 3. The oxygen content as a factor influencing the toxic limit of ammonia.
7208

Effects of simulated radioactive fallout decay on growth and yield of cabbage, maize, peas and radish.
7298

DECLINE

Decline of citrus trees in the regions of Araraquara and Bebedouro.
6059

Tropical nematology.
6305

DECOMPOSITION

Populations of dalapon-decomposing bacteria in soil as influenced by additions of dalapon or other carbon sources.
7093

Photodecomposition of the acaricide N'-(4-chloro-o-tolyl)-N,N-dimethylformamidine.
7354

DEER

Bibionid larvae in the stomach of a deer.
4978

Experimental exposure of deer to California encephalitis virus.
6530

Investigation into the Helminthid fauna of deer (Capreolus (apreolus L.) in the Bulgaria. II. Material on the Helminthed fauna of deer (Capreolus capreolus L.) in the Balkan mountains.
6957

DEFICIENCY DISEASES

Nutritional behavior of Trogoderma granarium Everts (Coleoptera: Dermestidae) on leguminous seeds.
5230

Copper deficiency in citrus.
5916

Zinc deficiency may limit maize yields.
6075

Pig diseases.
6489

The significance of the manganese content in the hair of cattle.
6492

Medium-chain triglycerides as a stress factor in vitamin E deficiency of chicks.
6502

Influences of an anti-ovulatory compound on the expression of vitamin D deficiency signs in laying hens.
6518

Results of hemoglobin determination in piglets in the framework of herd diagnosis of piglet anemia.
6540

Magnesium requirement of the laying hen for reproduction.
6607

On the mineral content of the Swiss meadow fodder and its relationship to herd sterility.
6616

Feline osteodystrophy, its treatment and prevention.
6639

Requirement of turkey poults for biotin and effect of deficiency of incidence of leg weakness in developing turkeys.
6648

Diarrhoea in pigs.
6699

Dietary hepatic necrosis associated with selenium-vitamin E deficiency in swine.
6723

Role of calcium in the nutritional etiology of a metabolic disorder in ruminants fed a high grain ration.
6857

Hematological response of different stocks of chikens to iron-copper deficient diet.
6862

Hypovitaminosis A and hypomagnesaemia of swine.
6882

Studies on the molybdenum availability.Part III. An attempt to estimate the available molybdenum content in soils in connection with the plant test.
7287

DEFOLIANTS

Diapause gets 95 per cent kill.
6243

All we know about pink bollworms.
6271

Phenoxythioacetic esters as desiccants. Patent 3,445,221.
7366

DEFOLIATION

Effects of the winter moth on growth and mortality of red oak in Nova Scotia.
6173

Virus diseases as limiting factors of some lepidopterous defoliators on poplar trees in Vojvodina.
6249

The amount of foliage consumed or destroyed by laboratory-reared larvae of the black-headed budworm, Acleris variana.
6272

Method of facilitating harvest of mature plants. Patent 3,447,919.
7386

DEGRADATION

Purification of potato virus X and preparation of infectious ribonucleic acid by degradation with lithium chloride.
5930

Morphological transformations and lysis of Halobacterium salinarium by 4-(2,4-dichlorophenoxy)butyric acid and related compounds.
6377

On the biochemical activity of microorganisms in the process of meat degradation.
7060

In vitro degradation of DDT by intestinal contents of Atlantic salmon (Salmo salar).
7096

Persistent pesticides: A problem.
7110

Degradation and activation of parathion analogs by microsomal enzymes.
7189

Conversion of DDT to DDD by pathogenic and saprophytic bacteria associated with plants.
7254

Microbial degradation of five substituted urea herbicides.
7276

Biosynthesis of gibberellic acid. A correction.
7338

Degradation of the insecticide GS 13005 in the rat. Elucidation of the structure of the most important metabolites.
7341

A comparison of new techniques for the detection and determination of triazine herbicides separated by thin-layer chromatography. III. Fluorescence quenching.
7343

Microbial degradation of aromatic compounds.
7346

Photochemical decomposition of DDT by a free-radical mechanism.
7361

Degradation of gamma-BHC in simulated lake impoundments as affected by aeration.
7362

The chemistry of GS 13005, a new insecticidal phosphoric acid ester.
7368

DEHYDROGENASES

The biochemical mechanism of action of the anthelmintic drug tetramisole.
6918

DEMATIACEAE

Cercosporidium helleri on Sphenoclea zeylanica--a new record for India.
6042

DEMETON

Systemics, a new tool for the home gardener.
5688

Poisoning on the farm. A report of a case of organophosphorus poisoning. (abstract).
7197

DEMODECIDAE

Epimyodex talpae n. g., n. sp., a sub-cutaneous parasite of the mole in Belgium (Demodicidae: Trombidiformes).
5029

DEMOGRAPHY

A technique for sampling populations of the jack-pine budworm.
5033

The Columbian timber beetle, Corthylus columbianus. VII. The effect of climatic integrants on historic density fluctuations.
5464

Contribution to the study of the population dynamics of the plant louse Toxoptera autantii (Boyer) on lemon trees (Citrus limon Burm).
5674

Polymorphism in Pieris: Supposed lethality of homozygous subtalba (Lep., Pieridae).
5697

Studies on the attack behavior of the southern pine beetle. I.THE spreading and collapse of outbreaks.
5942

DENDROCTONUS BREVICOMIS

Field test of lindane against overwintering broods of the western pine beetle.
5094

Western pine beetle: Field response to its sex pheromone and a synergistic host terpene, myrcene.
5217

DENDROCTONUS FRONTALIS

Studies on the attack behavior of the southern pine beetle. I.THE spreading and collapse of outbreaks.
5942

Studies on the attack behavior of the southern pine beetle. III. Sequence of tree infestation within stands.
6177

DENNYUS AEQUATORIALIS

Dennyus aequatorialis n. sp. (Mallophaga: Menoponidae) from the mottled swift, Apus aequatorialis.
5090

DENSITY

Characterization of bovine viral diarrhea viruses. I. Determination of buoyant density.
6574

DEODORIZING

Method for deodorizing O,O-dialkyl S-(alkylthio)alkyl phosphorodithioates. Patent 3,439,071.
7357

DEOXYRIBONUCLEIC ACID

Incorporation of tritiated thymidine into the ovarian DNA of stable flies: Effects of treatment with apholate.
5259

D-Amino acids in animals.
5271

Cytodifferentiation during insect metamorphosis: The galea of silkmoths.
5399

Mutations produced by transmutation of phosphorus-32 to sulfur-32 within Drosophila DNA.
5437

Inhibition of DNA-DEPENDENT RNA polymerase by the exotoxin of Bacillus thuringiensis var. gelechiae.
5597

Initiation of polyhedrosis production in vitro.
5685

Influence of various strains of the Aujeszky virus on the metabolism of cells cultured in vitro.
6658

Effect of cytostatics on the replication of vaccinia, pseudo-rabies and sindbis viruses and on the interferon production by tissue culture cells.
6791

An autoradiographic and immunofluorescent study of the infectious cycle of sheeppox virus in cell cultures exposed to 5-fluorodeoxyuridine.
6855

The effect of some treatment conditions on the radiomimetic activity of 1-methyl-3-nitro-1-nitrosoguanidine in plants.
7258

The differential interaction of aflatoxins B1,G1 and G2 with deoxyribonucleic acids from different sources.
7291

On the repair of the damages induced by N-methyl-N'-nitro-N-nitrosoguanidine in the bacterial DNA.
7373

DERMANYSSUS
Some new analytic and graphic approaches to numerical taxonomy, with an example from the Dermanyssidae (Acari). 5106
A new species of Dermanyssus from marine birds, with observations on its biology (Acarina: Dermanyssidae). 5113

DERMANYSSUS GALLINAE
Lice and mites in poultry. 6890

DERMAPTERA
New species of the genus Diplatys Serville from India (Dermaptera: Diplatyinae). 5077
On a new genus of Dermaptera from south India. 5078
Genera and species of the Dermaptera. 10. Forficulinae (Forficulidae). 5122
Genera and species of Dermaptera (9) Opisthocosminae (Forficulidae). 5123
New and known Dermaptera from south India with two generic records new to India. 5129
Rates of evolution in the Dermaptera. 5291

DERMATITIS
On the granular dermatitis in horses which contains a kind of true fungus in the foci II. 6460

DERMESTIDAE
Nutritional behavior of Trogoderma granarium Everts (Coleoptera: Dermestidae) on leguminous seeds. 5230
Vapona for the control of museum pests. 5576

DESMOSTEROL
Desmosterol as a common intermediate in the conversion of a number of C28 and C29 plant sterols to cholesterol by the tobacco hornworm. 6835

DETERIORATION
Formulation analysis: The effect of different storage treatments on the susceptibility, agglomeration and deterioration of surfactants of DDT water-dispersible powders. 7398

DETOXIFICATION
Assimilation of the herbicide phenazone and its detoxication within plants. 7301

DEUTEROMYCETES
Contribution to the knowledge of the mycoflora of the Apus mountains. 5900
A new disease of potato tubers caused by Gilmaniella humicola Barron. 7029

DEVELOPING AREAS
Projects and problems of plant protection in developing countries. 5847

DEVELOPMENT
On the multiple effects of oedymerism in the males of Nesothrips falcatus Ananthakrishnan. 5190
Effects of temperature on Drosophila--V. Weight and water, protein and RNA content. 5247

DEW
Effect of climatic factors on the susceptibility of insects to insecticdes. 6251

DIABROTICA
Resistant corn rootworms... A problem almost everywhere. 6149

DIAGNOSIS
Serological identification. 5280
Electron microscopy for the diagnosis of insect diseases. 5374
Use of histopathology indices of haemolymph for the prognosis of mass propagation of pests. 5434
In vivo and in vitro cytological diagnosis of densonucleosis in Lepidoptera. 5469
Notes on the spontaneous pathology of the dog in the laboratory. 3rd note: Concerning a spontaneous hepatectomy . 6452
Effective attack on mastitis...at last. 6466
Management of allergic disease by hyposensitization. 6482
Methods of serological diagnosis in caprine Brucellosis. A comparative study. 6516
Observations on the causes of chronic bloating in young cattle. 6537
Application of the agar gel technique in the diagnosis of infectious bovine rhinotracheitis. 6567
Familial nonspherocytic hemolytic anemia of Basenji dogs. 6568
Bovine respiratory disease, diagnosis and control. 6593
Feline infectious anemia (Haemobartenella felis) diagnosis and treatment. 6594
Yeasts and yeast-like fungi in the genital organs of cows and heifers. V. Genital candidiasis and abortions caused by yeasts belonging to the genera Candida, Trichosporon and Saccharomyces. 6608
Natural scrapie in a goat. 6630
Brucella ovis infection I.An evaluation of microbiological, seriological and clinical methods of diagnosis in the ram. 6634
Ranikhet disease can be controlled. 6638
Correlation of four mastitis detection tests with respect to the leucocyte count. 6647
An enzooty of strangles caused by virus A2 equi Miami 63 in the region of Lyon. 6656
Diagnosis of cow mastitis based on leukocyte count in milk. 6668
Diagnosis and spread of the subclinical forms of mastitis in cows. 6676
On the employment of egg yolk in immunofluorescent diagnosis of anthrax. 6682
An investigation into bovine anaplasmosis with complement fixation test (CFT). 6685
The diagnosis of European swine fever. 6709
Cause and prevention of epizootic bovine abortion. 6716
Viral etiology of the bovine lympholeukosis. 6729
Bovine brucellosis and infectious abortion. 6730
A case of pruriginous rabies in goats. 6742
Diagnosis of rabies. What is necessary in the field laboratory. 6743
Detection of pseudorabies virus by immunofluorescence. 6833
Notes on the spontaneous pathology of the dog in the laboratory. 1st note: Leiomyosarcoma of the mesentery in a female dog. 6851
Long complement fixation test for leptospirosis diagnosis. 6881
Worms in pigs. 6916
A physico-chemical approach to the serological diagnosis of cysticercosis. 6976
Bovine Ostertagia infection. Bibliography organized around the disease, its treatment, and its prevention. 6997
Fluorosis in cattle and sheep, observed around industrial plants in Bulgaria. 7205
Microscopic identification of some chlorinated hydrocarbon insecticides on different substrata. 7381

DIALKENYL-3-CHLOROBENZAMIDE, N,N
Herbicidal N,N-dialkenyl-3-chlorobenzamides and method. Patent 3,436,208. 6356

DIALYSIS
Effect of a soluble fraction of oil seed meals on uptake of 65Zn from ca.mg.65Zn.phytate complexes by the chick'. 6690

DIAMINO-N-(2-AMINOPROPYL)-2,3-ANTHRAQUINONEDICARBOXI-
Methods of controlling protozoa infections with N-substituted 1,4-diamino 2,3-anthraquinonedicarboximides. Patent 3,436,460. 6495

DIANTHUS
Hylemyia cilicrura Rond. on the Dianthus cultures of Pescia and Versilia. 6174

DIANTHUS CARYOPHYLLUS
Fusarium foot-and-stem disease of the carnation. 6127
The South African carnation roller moth Epichoristodes acerbella (Walk.) Diakonoff. 6220

DIAPAUSE
The physiology of mosquitoes. 5266
Two major effects of the corpus allatum in the adult Colorado beetle (Leptinotarsa decemlineata Say). 5281
Field studies of an attractant in the male boll weevil. 5338
Temperature and termination of diapause in Epicauta gorhami Marseul (Coleoptera, Meloidae), with particular reference to the mechanism of contemporaneous emergence. 5491
Diapause gets 95 per cent kill. 6243

DIARRHEA
Observations of infectious diarrhea as part of the shipping fever syndrome in feedlot cattle. 6631
Diarrhoea in pigs. 6699

DIASPIDIDAE
Control of some pests of evergreens. 6162
Guide lines for the testing of materials San-Jose scale insect (SJS). 6241
Annual pest control programs for Central California. 6260

Oil deposit on grapefruit leaves with 3 types of spray equipment in relation to control of certain citrus pests. 7101

DIATRAEA GRANDIOSELLA

Description, damage and control of the southwestern corn borer. 6188

DIAZINON

Ants in the home and garden; how to control them. 5184

Gesapon for insect pests. 5387

The biology and control of the Ceanothus stem-gall moth, Periploca ceanothiella (Cosens). 5446

New strategy against the codling moth. 5520

Relative susceptibility of stored-product insects to insecticides. 5631

Bagworm. 5662

Crop protection; computers, simazine, corn seed beetle. 5780

Description, damage and control of the southwestern corn borer. 6188

Ecology of insect vectors, forecasting, and chemical control. 6205

Evaluation of acaricidal dips for control of Psoroptes ovis on sheep. 6900

Soil degradation of diazinon, a phosphorothioate insecticide. 7118

Translocation of diazinon from planting water by cabbage and tobacco seedlings. 7122

Investigation of sheep dips. 3. The influence of breed on stripping and deposition in the fleece of diazinon. 7124

Some effects of diazinon on the microflora of submerged soils. 7133

On the toxicology of Pyrethrum to warm blooded animals. 7384

Many problems in teaching pest control to Indonesians. 7418

DIBROMO-3-CHLOROPROPANE, 1,2-

Peanut pod invasion by fungi in the presence of lesion nematodes in Georgia. 5974

Cotton and plant parasitic nematodes. 6298

DIBROMO-3-CHLOROPROPANE, 1,3-

Control of eelworm diseases of bananas in Western Australia. 6291

DICAMBA

Herbicidal control of western ironweed. 6363

Weed control in nursery sod. 6371

Controlling weeds in turf. 6387

Response of flax to postemergence herbicides. 7314

DICHLOBENIL

Pre-emergence weed control in the nursery. 6383

DICHLORO-2,2-BIS(P-CHLOROPHENYL) ETHYLENE, 1,1-

Insecticidal operations against chironomid midges along the Blue Nile. 5240

Pesticides: Transatlantic movements in the Northeast trades. 7079

In vitro degradation of DDT by intestinal contents of Atlantic salmon (Salmo salar). 7096

An epidemiologic application of the study of DDE levels in whole blood. 7100

Conversion of DDT to DDD by pathogenic and saprophytic bacteria associated with plants. 7254

DICHLORO-4-NITROANILINE, 2,6-

Botran used as an orchard spray vs. Botran in the hydrocooler and control of post-harvest decay of peaches. 5904

DICHLOROFLUOROMETHYLTHIO)-N,N-DIMETHYL-N'-PHENYL-

Tomato leaf mould: Its assessment and effects on yield. 6089

DICHLOROPHENOXY) BUTYRIC ACID, 4-(2,4-

Morphological transformations and lysis of Halobacterium salinarium by 4-(2,4-dichlorophenoxy)butyric acid and related compounds. 6377

Conversion of 4-(2,4-dichlorophenoxy) butyric acid to homologs by alfalfa; mechanism of resistance to this herbicide. 7264

DICHLORPROP

Repeated spraying to control southwest Oregon brush species. 6338

DICHLORVOS

A possibility of using dimethyldichlorvinylphosphate in the fight againt red cockroaches. (abstract). 5495

Vapona for the control of museum pests. 5576

Development and study of filler composition of aerosol dispensers for controlling flying insects. 5660

Studies on the strawberry mite (Tetranychus telarius (L). 6161

Shell products for animal health. 6423

New possibilities of pest control in mills and flour storages by DDVP chemicals. 7035

The permeability of protective clothing and packing materials in regard to insecticidal phosphoric acid derivatives. 7339

DICHOCROCIS PUNCTIFERALIS

Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen. 6150

DICOFOL

Chlorinated hydrocarbon insecticide inhibition of cockroach and honey bee ATPases. 5414

Residues in the body fat of steers fed kelthane in their ration. (Abstract). 7192

Juice quality of grapefruit following June versus September applications of a 412 paraffinic petroleum oil with data on control of certain pests. 7238

DICOTYLEDONS

Broadleaf weed control in rice. 6370

DICROCELIASIS

The epizootiology of dicroceliosis in the province of Leon. 6967

DICROCOELIUM DENDRITICUM

Spermtail finestructure of Echinococcus granulosus and Dicrocoelium dendriticum. 6978

DICTEISIA

A review of the genus Dicteisia Bedford (Mallophaga: Menoponidae) with description of a new species. 5127

DICTEISIA KELERI

A review of the genus Dicteisia Bedford (Mallophaga: Menoponidae) with description of a new species. 5127

DICTYOCAULUS FILARIA

The epizootiology of ovine verminous bronchopneumonias in Leon. 6943

DIEBACK

Growing camellias. 5859

On the elm-tree dieback. 6043

Etiology, symptomatology and epidemiology of a virus disease of cultivated mushrooms. 6069

Factors affecting the appearance of holly oaks in Southern California. 6160

DIEBACK (ULMUS)

Nitrogenous compounds in the xylem sap of American elms with Dutch elm disease. 6083

DIELDRIN

Ants in the home and garden; how to control them. 5184

Contribution to the knowledge of the Cosmopolites sordidus (Germar)(Coleoptera, Curculionidae). (2). 5216

Notes on the mosquitoes of the Islamic Republic of Mauritania. (Dipt. Culicidae). (2). 5351

Laboratory tests of larvicides for mosquito control in potable waters. (abstract). 5389

Co-resistance and resistance inheritance in a dieldrin resistant laboratory stock of the clothes moth (Tineola bisselliella (Hum.), Lep.). 5423

Southern tree chapter briefed on borer control. 5459

Insecticide resistance in the house fly: Decreased rate of absorption Is the mechanism of action of a gene that acts as an intensifier of resistance. 5532

Insecticide resistance in the home of Culex pipiens fatigans Wiedemann. 5708

Genetics of resistance to insecticides of the SKA strain of Musca domestica. III. Location and isolation of the factors of resistance to dieldrin. 5736

Genetical linkage relationships of DDT-RESISTANCE and dieldrin-resistance in Culex pipiens fatigans Wiedemann. 5741

Hylemyia cilicrura Rond. on the Dianthus cultures of Pescia and Versilia. 6174

Maryland arborists discuss insect control. 6221

Controlling peach yellows in a peach breeding program. 6232

The banana beetle can be checked. 6244

Shell products for animal health. 6423

Effect of some pesticides on the adrenal glands in the rat. 6424

Saving stored rice from attacks of insect pests. 7037

Control of rodents. 7043

DDT: The critics attempt to ban its use in Wisconsin. 7071

Environmental pollution: Scientists go to court. 7072

Pesticides and man's environment. 7073

Pesticides: Transatlantic movements in the Northeast trades. 7079

More about the pesticide residue problem. 7090

Contribution of aerial contamination to the accumulation of dieldrin by mature corn plants. 7092

Accumulation of DDT and dieldrin by microorganisms. 7095

Effect of DDT and dieldrin on RNA and protein synthesis in subcellular fractions of HeLa S cells. 7097

Pesticide residues are not a problem. 7099

No effect level of DDT in induction of microsomal epoxidation. 7105

Effect of direct steam heating and vacuum treatment on levels of pesticide residues in milk. 7119

Organochlorine insecticide residues in complete prepared meals: A 12-month survey in S. E. England. (abstract). 7121

Residues of dieldrin (HEOD) in the tissues of experimentally poisoned birds. 7130

Pharmacodynamics of dielorin in pigeons. 7131

Effect of DDT, dieldrin, heptachlor on the growth of selected bacteria. 7234

Effect of DDT, dieldrin and heptachlor on the growth of selected bacteria. (Abstract). 7235

Electro-reduction of dieldrin and aldrin. 7378

Microscopic identification of some chlorinated hydrocarbon insecticides on different substrata. 7381

DIENESTROL DIACETATE

Notice of withdrawal of petition for food additives dienestrol diacetate, amprolium, and penicillin. 7158

Notice of withdrawal of petition for food additives. 7178

DIET

Experiments with fattening pigs on pasture. 6426

Relation between DDT in diets of laying birds and viability of their eggs. 6431

Improving egg quality in poultry by orally administering androgens. Patent 3,438,783. 6433

Magnesium requirement of the laying hen for reproduction. 6607

Feline osteodystrophy, its treatment and prevention. 6639

Dietary hepatic necrosis associated with selenium-vitamin E deficiency in swine. 6723

The control and treatment of posthitis. 6829

Role of calcium in the nutritional etiology of a metabolic disorder in ruminants fed a high grain ration. 6857

Influence of sulfur on incidence of white muscle disease in lambs. 6865

No effect level of DDT in induction of microsomal epoxidation. 7105

DIETHYL O-3,5,6-TRICHLORO-2-PYRIDYL PHOSPHOROTHIOATE,

Control of pasture Aedes mosquitoes by dripping larvicides into flowing water, with notes on residues in a pasture habitat. 5486

DIETHYL S-(1,2-DI(ETHOXYCARBONYL)ETHYL) PHOSPHOROTHIOATE,

Studies on a series of branched-chain analogs of diethyl malathion and malaoxon with regard to toxicity and in vitro enzymatic reactions. (abstract). 7151

DIETHYLCARBAMAZINE

Chemotherapeutic agents. 6984

DIETHYLCARBAMAZINE DIHYDROGEN CITRATE

A field study of chemical prophylaxis against the developing stages of Dirofilaria limitis in the dog. 7003

DIETHYLSTILBESTROL 4,4'-DIPHOSPHORIC ESTER

Treatment of anal tumors with Honvan-Asta. 6559

DIGESTION

Contribution to the study of higher termite digestion. 5417

The ingestion in wolf spiders. I. Capacity of gut of Lycosa pseudoannulata. 5493

Long distance dispersal of seeds by retention in digestive tract of birds. 6436

Effect of a soluble fraction of oil seed meals on uptake of 65Zn from ca.mg.65Zn.phytate complexes by the chick'. 6690

Hypercalcemia and gastro-duodenal ulcerations. 6849

Histochemical and bacteriological studies on digestion in nine species of leeches (Annelida: Hirudinea). 6958

DIGITARIA

Study of the control of Antonina graminis (Maskell)--curse of hay (Digitaria pentzii) with granular systemic insecticides. 6175

Control of the guanxumas roxa e branca in pasture with hormone-like herbicides. 6335

A sub-surface applicator for herbicides. 7399

DIHYDRO-1,4-DITHIINS, 2,3-

2,3-dihydro-1,4-dithiins as stabilizers for chlorinated hydrocarbons. Patent 3,439,051. 7356

DIHYDROSTREPTOMYCIN

Parenteral chemotherapy of ovine foot-rot. 6561

DIIODO-4-NITROPHENOL, 2,6-

A comparative study of the activities of 2,6-diiodopara-nitrophenol (Disophenol) and 2-para-thiazolylbenzimidazole (Thiabendazole) as anthelmenthic for sheep. 6999

DILOWERALKYL PHOSPHORODITHIOYL METHYL, O,O

Method of killing pests by application of an O,Odiloweralkyl phosphorodithioyl methyl-substituted mercaptoacetate. Patent 3,433,870. 5345

DIMETHOATE

Bombs away on bugs. 5194

Observations on various treatments applied in Lebanon in 1966 against Ceratitis capitata Wied. 5392

The biology and control of the Ceanothus stemgall moth, Periploca ceanothiella (Cosens). 5446

Southern tree chapter briefed on borer control. 5459

Lace bugs. 5661

Systemics, a new tool for the home gardener. 5688

Metabolism of organophosphorus insecticides. IX. Distribution, excretion and metabolism of dimethoate Prodenia lituria. (abstract). 5690

Some observations on tobacco yellow dwarf control. 6033

Studies on the strawberry mite (Tetranychus telarius (L). 6161

Control of some pests of evergreens. 6162

Essay on insecticidal treatments on the apple fruit fly, Rhagoletis pomonella (Walsh) in southwest Quebec. 6237

Thin-layer chromatographic-enzymatic identification of organophosphorus insecticides. Actiuation of weak esterase inhibitors. 7324

Separation and quantitative analysis of the active ingredient dimethoate and of its changed components contained in emulsions and wettable powders. 7325

The permeability of protective clothing and packing materials in regard to insecticidal phosphoric acid derivatives. 7339

Nuclear magnetic resonance studies of phosphorus(V) pesticides- III, the hydrolysis of aliphatic pesticides by aqueous solutions. 7347

DIMETHYL AMINO SUCCINAMIC ACID, N

Effect of acar on bloom date of Richared apples. 7304

DIMETHYL O-(4-NITRO-TOLYL) PHOSPHOROTHIOATE, O,O

Laboratory tests of five new insecticides as protectants for stored rough rice. (abstract). 7031

DIMETHYL 2,3,5,6-TETRACHLOROTEREPHTHALATE

Herbicides for weed control in sweet potatoes. 6341

Effects of methods of placement on performance of trifluralin, CDEC, and DCPA applied to soil. 6364

DIMETHYL-S-(2-METHOXY-1,3,4-THIADAZOL-5 (4H)-ONYL-(4)-

Degradation of the insecticide GS 13005 in the rat. Elucidation of the structure of the most important metabolites. 7341

The chemistry of GS 13005, a new insecticidal phosphoric acid ester. 7368

DIMETHYL-3-(ALPHA,ALPHA,ALPHA-TRIFLUORO-M-TOLYL)UREA, 1,1-

Microbial degradation of five substituted urea herbicides. 7276

DIMETHYLAMINOSUCCINAMIC ACID, N

Translocation of the growth retardant N,N'-dimethylaminosuccinamic acid-14C (B-995-14c)9. 7275

DIMETHYLSULFOXIDE
Effects of dimethyl sulfoxide on the biological activity of selected miticides and insecticides.
7280

DIMETRIDAZOLE
Effects of dimetridazole and antibiotics on growth and reproduction in turkeys.
6415

DINITROCRESOL
The influence of site application on the toxicity of insecticides in red cotton bug, Dysdercus cingulatus, F.
5549

DINITROPHENOL, 2,4-
The stimulation of 2,4-dinitrophenol-activated ATPASE by anions.
4976

DINITROPHENOLS
The nature of activating action of dinitrophenol on ATPASE activity of myosin.
7365

DINOCAP
Use of herbicides in coffee nurseries with full exposure to sun.
6324

DINOSEB
Application of herbicides in pulse crops.
6339
Postemergence weed control in soybeans.
6378
Study of certain herbicides against weeds in garden peas.
6392
Industrial fertilizers as herbicides seen in the light of new and old experiments.
7102

DIOCTRIA OELANDICA
Taxonomic notes on the larvae of British Diptera. No. 26. the presumes larva of Dioctria oelandica (Linnaeus) (Asilidae).
5005

DIPETALONEMA RECONDITUM
Canine filariasis on Okinawa, Ryukyu Islands.
6988

DIPHENAMID
Tests prove diphenamid effective as herbicide.
6316
Herbicides for weed control in sweet potatoes.
6341
Pre-emergence weed control in the nursery.
6383
Chemical weed control in sweet potatoes.
6396
Effects of selected herbicides upon growth of soil algae.
7265

DIPLATYS
New species of the genus Diplatys Serville from India (Dermaptera: Diplatyinae).
5077

DIPLODIA NATALENSIS
Controlling stem-end rot of ripe mango.
6035

DIPLOGASTER
Limitation of the Colorado beetle by nematodes and prospects for their practical utilization.
5580

DIPLOPODA
An Enterobryus (Trichomycetes, Eccrinales) in a milliped.
5544

DIPPING
Cattle lice; how to control them.
6889
Evaluation of acaricidal dips for control of Psoroptes ovis on sheep.
6900
An improved portable sheep dipping vat.
7012

DIPRIONIDAE
How do native insect parasites behave in relation to imported insect hosts, alien to the native fauna
5695

DIPTERA
Division of Entomology Annual Report, 1966-67.
4968
A summary of forest and shade tree insect-disease conditions for Maine 1967.
4979
New species of chironomids (Diptera, Chironomidae) from Yashil-kul and Bulun-Kul lakes (Pamirs).
4982
Undescribed species of nematocerous Diptera. IX.
4983
Undescribed species of nematocerous Diptera. Part VII.
4984
Undescribe species of nematocerous Diptera. Part VI.
4985
Mosquitoes from the western Balkan mountains.
5001
Investigation into the Synanthropic flies in the family Muscidae (Dipt.) in Bulgaria.
5088
The genus Cairnsimyia Malloch (Diptera, Heleomyzidae, Rhinotorini).
5100
On ecology and phenology of Heptatoma pellucens F. (Tabanidae, Diptera).
5415
Diptera larvae in soil treated with organic and mineral fertilizers. (I). Family Asilidae-Diptera-Brachycera.
5541
Diel patterns of swarming and other activities of two arctic dipterans (Chironomidae and Trichoceridae) on Spitsbergen.
5639
Guide lines for the testing of materials on carrot flies on carrots.
6169
Italian beet culture. The protection against insect pests.
6233
Type C Botulism in a dove (Streptopelia roseogrisea bornuensis) from Ferlo (Senegal).
6557
1969 insect control guide for Colorado. III. Livestock pests, poultry pests, farm fly control.
6892

DIPYLIDIUM
Morphologic and histochemical studies on the nervous system of tapeworms revealed by the cholinesterase method (Taenia hydatigena, Dipylidium caninum and Moniezia expansa).
6963

DIQUAT
These weeds mean trouble.
7042
Herbicide toxicity.
7155
Chemical constitution and activity of bipyridylium herbicides- III Pyrazino(1.2.3.4-lmn)1,10-phenanthrolinium dibromide.
7330

DIROFILARIA IMMITIS
A prophylactic treatment for heartworm infestation of dogs.
6953
Chemotherapeutic agents.
6984
A field study of chemical prophylaxis against the developing stages of Dirofilaria limitis in the dog.
7003

DIROFILARIASIS
A prophylactic treatment for heartworm infestation of dogs.
6953
A field study of chemical prophylaxis against the developing stages of Dirofilaria limitis in the dog.
7003

DISEASE CONTROL
Pig diseases.
6489
Methods of controlling protozoa infections with N-substituted 1,4-diamino 2,3-anthraquinonedicarboximides. Patent 3,436,460.
6495
Disease prevention in the piggery.
6544
Financing of measures for prevention and control of animal infections in the Republic of Macedonia.
6560
Bovine respiratory disease, diagnosis and control.
6593
Ranikhet disease can be controlled.
6638
Schiff bases of 2-formylquinoxaline-1,4-dioxides as growth promoters and systemic and nonsystemic infection control agents in animals. Patent 3,433,871.
6650
The control of contagious abortion.
6702
TGE prevention your goal.
6845

DISEASE TRANSMISSION
Mechanical transmission of Trypanosoma lewisi (Kinetoplastida: Trypanosomidae) by Rhodnius prolixus (Hemiptera: Reduviidae).
5261
Decrease in immunity of insects under the influence of bacterial infection transmitted by hymenopterous parasites.
5385
Parasites as vectors of granulosis virus of Hadena sordida Bkh.
5599
The role of phytocides on the pathology of the phytophagous invertebrates.
5616
Research on the disease due to Metarrhizium anisopliae, in the migratory locust.
5664
A possible role of blood-sucking mosquitoes in spread of arbovirus infection in the area of the Zaisan Lake.
5747
Falciparum malaria transmissible from monkey to man by mosquito bite.
5751
Transmission of the tularemia pathogen to homothermal animals by Ixodes ticks. (JPRS 44,105).
5758
Some observations and comments on stem-pitting of peach, its control and a nursery improvement program.
5782
Identification of soybean mosaic virus in Venezuela.
5907
Watch for silver leaf.
6014
Newcastle disease in poultry.
6455
Hot debate boils over vaccines.
6469
Rabies, disease of today. Its new etiological and epidemiological aspects.
6519
Johne's disease. II. The pathogenic agent, susceptible species and method of infection.
6549
Infectious disease review: newer concepts of rabies.
6563
Toxoplasma gondii: Fecal forms separated from eggs of the nematode Toxocara cati.
6582
Feline infectious anemia (Haemobartenella felis) diagnosis and treatment.
6594
Diagnosis and spread of the subclinical forms of mastitis in cows.
6676

Fibrinous colitis in pigs. 6745

Salmonella in the starling (Sturnus vulgaris). 6771

Contribution to atrophic rhinitis in pigs. 6803

Toxoplasma gondii: Transmission through feces in absence of Toxocara cati eggs. 6811

Experiences and ideas regarding cattle tuberculosis sanitation in a state practitioners area. 6834

The transmission of west equine encephalomyelitis virus from chicken to chicken by Culex pipiens (SAY). 6856

Experimental transmission of sheep pulmonary adenomatosis (ijaagsiekte). 6861

Effect of differences in ambient temperature upon the fate of Pasteurella pestis in Xenopsylla cheopis. 6894

The guilty fox. 6977

Table of human infections. In: Diseases of man acquired from his pets. 7146

The organisation of the australian poultry industry and its influence on disease. 7405

DISODIUM METHANEARSONATE

After coton is up, here are ways to keep it clean. 6346

Recent advances in perennial grass control in avocado orchards. 6350

Effects of organic arsenical herbicides on cotton response and chemical residues. 7222

DISTILLATION

Effect of direct steam heating and vacuum treatment on levels of pesticide residues in milk. 7119

DISTRIBUTION

The effect of reduction in stream flow on invertebrate drift. 5475

DISULFOTON

Systemics, a new tool for the home gardener. 5688

Disulfoton as a systemic insecticide for control of adult white-fringed beetles on peanuts. 6153

Study of the control of Antonina graminis (Maskell)--curse of hay (Digitaria pentzii) with granular systemic insecticides. 6175

Herbicides in cotton and their compatibility with soil-applied insecticides. 6388

Poisoning on the farm. A report of a case of organophosphorus poisoning. (abstract). 7197

Air blast sprayer covers 24 rows. 7400

DITHANE

Studies on the control of the anthracnose of Acacia dealbata caused by Glomerella cingulata Stonem. 5954

DITHIAZANINE IODIDE

Chemotherapeutic agents. 6984

DITHIOCARBAMATES

Use of nickel morpholine dithiocarbamate as a nematocide. Patent 3,450,817. 6287

DITHIOPHOSPHATES

Method for deodorizing O,O-dialkyl S-(alkylthio)alkyl phosphorodithioates. Patent 3,439,071. 7357

DITYLENCHUS DESTRUCTOR

The nematode of stems and tubercles (Ditylenchus destructor Thorne) as a dangerous potato pest. 6057

DIURESIS

The action of extracts of parasympathetic organs and corpora cardiaca on diuresis in several insects. 5225

DIURNAL RHYTHM

A falling cage for sampling tsetse flies (Glossina; Diptera). 4974

Relationship between serotonin and the circadian rhthym in some nocturnal moths. 5364

The flight times of some nocturnal moths. 5365

The influence of light and temperature variations on the behavior and fecundity of the larch-bud moth Zeiraphera diniana (Gn.) (Lepidoptera: Tortricidae). 5467

Central nervous system control of circadian rhythmicity in the cockroach. II. The pathway of light signals that entrain the rhythm. 5500

Central nervous system control of circadian rhythmicity in the cockroach. III. The optic lobes, locus of the driving oscillation . 5501

DIURON

Preplanting applications of prometryne in cotton. 6340

Chemical weed control in tropical root crops. 6352

Weed control in California vineyards. 6358

Microbial degradation of five substituted urea herbicides. 7276

DNA VIRUSES

Initiation of polyhedrosis production in vitro. 5685

DODICIN

On the use of TEGO 51 in animal food industries--toxicity and bactericidal properties. 7067

DODINE

The induction of dodine tolerance in Fusarium oxysporum f. melonis: a technique applicable to the study of the bionomics of soil-borne fungal pathogens. 6001

Peach leaf curl. 6006

DOGS

All must pull their weight in pest control. 6409

Shell products for animal health. 6423

Review of the most important causes of death and disease of dogs over a period of 15 years. 6448

Notes on the spontaneous pathology of the dog in the laboratory. 3rd note: Concerning a spontaneous hepatectomy . 6452

The use of measles vaccines in the immunization of the dog. 6453

The natural occurrence of canine L. icterohaemorrhage infection. A survey during ten years (October 1957-September 1967). 6463

Duodenal leiomyosarcoma: A case report. 6491

Control of hydatid disease at abattoirs and country slaughterhouses. 6497

Leptospira icterohaemorrhagie natural infection in the dog. I. Determination of activities of serum enzymes. 6504

Canine leptospirosis in Argentina. 6507

Experimental leptospirosis. III. Leptospirosis in dogs. Experimental reproduction of the sickness. 6508

Mastocytosis with gastrointestinal ulceration in a dog. 6511

Ringworm due to Trichophyton mentagrophytes in a dog. 6529

Leptospirosis icterchaemorrhagiae in dogs in Tasmania. 6531

Treatment of anal tumors with Honvan-Asta. 6559

Familial nonspherocytic hemolytic anemia of Basenji dogs. 6568

Hepatocellular carcinoma in the dog. 6586

Suspected primary hyperparathyroidism in the dog. 6601

A formalinized and adjuvanted rabies vaccine of tissue culture origin. 6683

Urine-retention caused by a peri-urethal leiomyoma, in a female dog. 6691

Contribution to the study of uterine dysplasias of functional origin in dogs. 6692

Rheumatoid arthritis in a dog. 6695

Long-term studies of renal function in canine leptospirosis. 6700

Heredity and breeding measures taken against hip joint dysplasia of the dog. 6720

Canine nocardiosis due to Nocardia caviae. 6733

Resistance against canine distemper induced by measles virus. I. Measles vaccination in the presence of distemper antibodies. 6782

The canine leptospiroses. 6848

Hypercalcemia and gastro-duodenal ulcerations. 6849

Notes on the spontaneous pathology of the dog in the laboratory. 2nd note: Hematoma of the spleen. 6850

Notes on the spontaneous pathology of the dog in the laboratory. 1st note: Leiomyosarcoma of the mesentery in a female dog. 6851

Studies on the intraocular inoculation of dogs with various strains of leptospires. 6863

Relationship of aflatoxin to epizootics of toxic hepatitis among animals in southern United States. 6870

Thallium poisoning in dogs. 6884

The systemic action of methyridine against helminths, especially whipworms, in dogs. 6929

A prophylactic treatment for heartworm infestation of dogs. 6953

Efficacy of tetramisole on nematode infections of dogs. 6981

Chemotherapeutic agents. 6984

Canine filariasis on Okinawa, Ryukyu Islands. 6988

A field study of chemical prophylaxis against the developing stages of Dirofilaria limitis in the dog. 7003

Diagnosis and treatment of poisoning in cats and dogs. 7183

Teratogenic action of carbaryl in beagle dogs. 7202

DOLLAR SPOT

Fungicides and turf disease control - 1964. 5883

Control of Armillaria mellea with systemic chemicals. 6018

Disease control. 6138

DORSAL VESSEL

Bromolysergic acid diethylamide in physiological studies of lepidopterous larvae. 5199

Perfusion fluid for the scorpion, Heterometrus fulvipes. 5510

Heart poisons in the monarch butterfly. 5554

DOSAGE

Field test of lindane against overwintering broods of the western pine beetle. 5094

Cotton pests control by ultra low volume spraying from the air. 5228

DDT resistance in Oncopera. 5355

Mosquito control agents derived from petroleum hydrocarbons. III. The effect of FLIT MLO on first and second larval instars. 5470

Insect and mite control on ornamentals. 5471

Trial of carbophos on larvae of Aedes and Culex mosquitoes. 5504

Evidence of a nonspecific type resistance to insecticides by a resistant strain of the tobacco budworm. 5516

Codling moth control with carbofuran. 5547

The use of radioactivity for the assessment of dose in bioassays involving bacterial insect pathogens. 5566

Dose rate effect of radiation on spermatogonia of the silkworm. 5635

Efficacy of use of some phospho-organic compounds as acaricides in foci of tick-borne encephalitis. 5772

Effects of sublethal doses of DDT on the reproduction and susceptibility of Culex pipiens L. 5773

Response of pines irradiated with lethal and sublethal doses of gamma-radiation. 5829

Plant protection is also health protection. 5849

Manures and fertilizers. 5853

Disulfoton as a systemic insecticide for control of adult white-fringed beetles on peanuts. 6153

Systemic activity of UC-21149 against the citrus red mite, citrus thrips, California red scale, and spirea aphids on nonbearing orange trees. 6265

Weed control in field brassica crops. 6321

Chemical growth inhibition in turf. 6349

Herbicidal control of western ironweed. 6363

The use of herbicides for site preparation and their effects on tree survival. 6369

Herbicidal treatment effect on carbohydrate levels of alligatorweed. 6397

A laboratory method for assessing the toxicity of stomach poisons to slugs. 6407

Effect of some pesticides on the adrenal glands in the rat. 6424

On the bacterial effect of ionizing irradiation on certain microorganisms. Second communication. A study of the bactericidal effect of gamma rays on certain bacteria and the spores of Bac. anthracis. 6425

Studies on an ocular infectious laryngotracheitis vaccine. 6459

Management of allergic disease by hyposensitization. 6482

The significance of the manganese content in the hair of cattle. 6492

Use of potassium iodide in the treatment of ovarian cysts in cows. 6552

Parenteral chemotherapy of ovine foot-rot. 6561

Clinical observation of experimental pseudorabies in mink and ferrets. 6600

Treatment of anoestrus in dairy cattle. 6624

A study of experimental ornithosis in the white mouse infected through the peritoneal cavity. 6751

Effects of aflatoxin B1 on polysomal profiles and RNA synthesis in rat liver. 6793

Cell culture techniques for primary isolation of Marek's disease-associated herpesvirus. 6872

Investigation of the effect of preparation Bayer 9015-12.50W.G. on adult Fasciola hepatica in sheep. 6922

Critical and controlled laboratory trials in sheep with tetramisole. 6950

A prophylactic treatment for heartworm infestation of dogs. 6953

A field study of chemical prophylaxis against the developing stages of Dirofilaria limitis in the dog. 7003

Sensitivity of stored melon fruit fungi to gamma irradiation. 7025

Agricultural pesticides and their detractors. 7080

Determination of residual bHC and lindane quantities in the soil and plants and investigations on their toxicity. 7091

Toxicity of pesticides to man: Risks from present levels. 7107

An investigation of the content of the chlorinated hydrocarbon residues of the crustacean plankton in the Balaton. 7128

Herbicide toxicity. 7155

Effect of aminotriazole on thyroid function in the rat. 7164

Tolerance of sheep with regard to a new phosphoric ester: Chlorfenvinphos. 7167

The effect of the dose and method of using herbicide A-1802 and cultivation measures on weediness and yield of corn. 7269

The effect of the application of herbicides in the control of weeds in corn fields. 7272

Effects of dimethyl sulfoxide on the biological activity of selected miticides and insecticides. 7280

The influence of increasing doses of simazine upon the rate of root and green parts growth of winter wheat. 7306

The influence of increasing doses of simazine upon the rate of root and green parts growth of some weeds occuring in the winter wheat stand. 7307

Separation and quantitative analysis of the active ingredient dimethoate and of its changed components contained in emulsions and wettable powders. 7325

Method of facilitating harvest of mature plants. Patent 3,447,919. 7386

DOWNY MILDEW

Progress through research- blue mould of tobacco. 5960

Reaction of selected sorghum varieties and lines to downy mildew. 7270

DRAINAGE

An aerial view of take-all. 5863

Report on the working party on liver-fluke in Wales. 7002

DRAINAGE DITCHES

Weed and brush control for drainage ditches. 6320

Burning weeds in drainage ditches to suppress populations of green peach aphids and incidence of beet western yellows disease in sugarbeets. 6395

DRIED FOOD

Control of household insects. 5593

The pigmented coliforms of dehydrated food. 7051

Accelerated procedure for Salmonella detection in dried foods and feeds involving only broth cultures and serological reactions. 7068

DRIED MILK

Dry milk equipment design and its relation to the salmonella problem. 7065

DROSICHA MANGIFERAE

Bionomics of Drosicha mangiferae (Green) on citrus including new record of its three natural enemies. 6246

DROSOPHILA

The toxic action of Bacillus thuringiensis exotoxin on Drosophila reared in yeast-containing and yeast-free media. 5221

Effects of temperature on Drosophila--V. Weight and water, protein and RNA content. 5247

Ultrastructure of the secretory inclusions of the salivary gland cell in Drosophila. 5562

Chromosomal rearrangements induced in Drosophila salivary gland chromosomes by an acridine half mustard. 5715

Genetics of octanol dehydrogenase in Drosophila metzii. 5733

Field biology and control of Phytophthora parasitica on papaya (Carica papaya) in Hawaii. 5967

DROSOPHILA AFFINIS

Salivary gland chromosome variation in the Drosophila affinis subgroup. II. Comparison of C-chromosome patterns in D. athabasca and five related species. 5725

DROSOPHILA ANANASSAE

Crossing-over in the males of Drosophila ananassae: exchanges in irradiated pupae. 5712

DROSOPHILA ATHABASCA

Salivary gland chromosome variation in the Drosophila affinis subgroup. II. Comparison of C-chromosome patterns in D. athabasca and five related species. 5725

DROSOPHILA MELANOGASTER

The wing mechanism involved in the courtship of Drosophila. 5219

Effects of the inhibitor of xanthine dehydrogenase, 4-hydroxypyrazolo(3,4 d)pyrimidine (or HHP) on the red eye pigments of Drosophila melanogaster. 5232

The localization of spermidine in salivary gland cells of Drosophila melanogaster and its effect on H-3-uridine incorporation. 5288

The imaginal cells of the clypeo-labrum and the development of the proboscis of Drosophila melanogaster. 5321

Fatty acid metabolism in D. melanogaster: Formation of palmitoleate. 5404

Mutations produced by transmutation of phosphorus-32 to sulfur-32 within Drosophila DNA. 5437

The ingestion in wolf spiders. I. Capacity of gut of Lycosa pseudoannulata. 5493

Maintenance of imaginal discs of Drosophila melanogaster in chemically defined media. 5563

Lack of effect of constant magnetic fields on Drosophila egg hatching time. 5630

Male genital disc defect in Drosophila melanogaster. 5683

An improved method for the collection of large numbers of inseminated eggs of Drosophila melanogaster. 5684

Environmental and genetic variations of wing size, cell size and cell division rate, in Drosophila melanogaster. 5700

Meiosis. III: The elastica, and Markov processes as model for non-random segregation from associated non-homologues in Drosophila. 5703

Genetics and activity in Drosophila melanogaster. 5704

Nucleic acid content of a diploid and of a triploid strain of Drosophila melanogaster. 5705

Mutants at the bobbed locus in Drosophila melanogaster: Relation to ribosomal RNA synthesis. 5706

The variation from year to year of the concentration and allelism of lethal mutations in neighbouring natural populations of Drosophila melanogaster. 5707

Studies in experimental behavior genetics: V. Negative geotaxis and further chromosome analyses in Drosophila melanogaster. 5709

Population genetics in the American tropics. II. The comparative genetics of Drosophila in European and neo-tropical environments. 5710

The exploitation of genetic heterogeneity among the founders of laboratory populations of Drosophila prior to directional selection. 5711

The mutagenic effect of 600 MeV protons in Drosophila melanogaster. 5717

Genetic and environmental control of melanotic tumors in Drosophila. 5719

Fecundity, egg-size and hatchability in Drosophila melanogaster with an X-chromosome held unchanged. 5721

Elimination of radiation-induced chromosome aberrations in experimental populations of Drosophila melanogaster. 5723

Loss of chromosomes and nondisjunction induced by caffeine in Drosophila. 5726

Relative fitness of a third chromosome inversion in Drosophila melanogaster. 5728

On the reversible character of delayed mutations induced by nitrosocompounds in Drosophila melanogaster. 5730

Thymidine teratogenesis and mutagenesis in Drosophila melanogaster. 5732

Analysis of a 6X6 diallel cross for hatchability in Drosophila melanogaster. 5734

Spermiogenesis in wild type and in a male sterility mutant of Drosophila melanogaster. 5738

Attempts to induce crossing-over in Drosophila melanogaster males with ovarian extracts. 5739

Temperature-sensitive mutations in Drosophila melanogaster, III. Dominant lethals and semilethals on chromosome 2. 5740

Selection and temperature effects on extra dorsocentral bristles in Drosophila melanogaster. 5744

DROSOPHILA PAULISTORUM

Unusual filamentous structures in the paragonia of male Drosophila. 5742

DROSOPHILA PSEUDOOBSCURA

Action spectra for phase shifts of a circadian phythm in Drosophila. 5310

Effects of selection and migration on geotactic and phototactic behaviour of Drosophila. II. 5702

Selection for higher fitness in populations of Drosophila pseudoobscura. 5720

DRUG PLANTS

Utility value of different cultivated Mentha piperita varieties. 5788

DRUG RESISTANCE

The in vitro sensitivity of avian salmonella strains to 6 drugs. I. Investigation on 1024 strains isolated 1945-1958. 6808

DRUG THERAPY

Malaria and victory in Vietnam. 5763

A chemotherapeutic treatment for selectively eradicating crown gall and olive knot neoplasms. 6071

Reaction of nitrosoguanidine (N-methyl-N'-nitro-N-nitrosoguanidine) with tobacco mosaic virus and its RNA. 6081

Effects of dimetridazole and antibiotics on growth and reproduction in turkeys. 6415

Notes on the spontaneous pathology of the dog in the laboratory. 3rd note: Concerning a spontaneous hepatectomy. 6452

The route to control of mastitis. 6465

Effective attack on mastitis...at last. 6466

Management of allergic disease by hyposensitization. 6482

Promazine hydrochloride in endotoxin shock in a horse (a case report). 6525

Listeriosis in sheep - observations on an outbreak in Romagna. 6532

Use of potassium iodide in the treatment of ovarian cysts in cows. 6552

Treatment of anal tumors with Honvan-Asta. 6559

Parenteral chemotherapy of ovine foot-rot. 6561

A new antibiotic: Gentamicin sulphate in Pseudomoniasis by Pseudomonas aeruginosa in Chinchilla laniger. 6570

Controlling bloat in cattle grazing clover. 6578

The effect of antibiotics on the immunity development to pasteurellosis in swine. 6592

Feline infectious anemia (Haemobartenella felis) diagnosis and treatment. 6594

The treatment of coccidiosis in domestic ruminants with Amprolium. 6603

Field observations on parenteral antibiotic treatment of ovine foot-rot. 6613

The characteristics of Staphylococcus aureus isolated from cases of staphylococcosis in poultry. 6614

Feline osteodystrophy, its treatment and prevention. 6639

Schiff bases of 2-formylquinoxaline-1,4-dioxides as growth promoters and systemic and non-systemic infection control agents in animals. Patent 3,433,871. 6650

Experimental Pasteurella infection in normal and chloropromazine-premedicated cockerels, subjected to heat stress. 6657

The prophylaxis of so-called milk fever of sows. 6662

Eperythrozoonosis in swine: A review. 6669

Arthritis in chickens due to Staphylococcus aureus. 6680

Diarrhoea in pigs. 6699

Safety and compatibility of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad spectrum coccidiostat-antibacterial, in chickens. 6707

Anticoccidial activity of sulfadinethoxine potentiated mixture (Ro 5-0013) in chickens. 6726

Action of Bayer preparation A 139 on rabies virus. 6785

Effect of cytostatics on the replication of vaccinia, pseudo-rabies and sindbis viruses and on the interferon production by tissue culture cells. 6791

On antibiotic-antimycotic therapy in cattle mastitis. 6802

Anti-microbial drugs in animal feeds. 6821

An outbreak of male fern (Dryopteris filix-mas) poisoning. 6822

Field observation of a mucosal type of disease at Aarey Milk Colony. 6826

Notes on the spontaneous pathology of the dog in the laboratory. 1st note: Leiomyosarcoma of the mesentery in a female dog. 6851

Effects of gastrointestinal nematode parasites on performance in feedlot cattle. 6912

Worms in pigs. 6916

The biochemical mechanism of action of the anthelmintic drug tetramisole. 6918

A new compound effective against acute fascioliasis in sheep. 6921

Investigation of the effect of preparation Bayer 9015-12.50W.G. on adult Fasciola hepatica in sheep. 6922

The systemic action of methyridine against helminths, especially whipworms, in dogs. 6929

Critical and controlled laboratory trials in sheep with tetramisole. 6950

A prophylactic treatment for heartworm infestation of dogs. 6953

Efficacy of tetramisole on nematode infections of dogs. 6981

Chemotherapeutic agents. 6984

Home produced cyazid is a highly effective anthelminthic against sheep dictyocaulosis. 6985

An approach to the treatment of outbreaks of Fascioliasis in sheep. 7001

Report on the working party on liver-fluke in Wales. 7002

A field study of chemical prophylaxis against the developing stages of Dirofilaria limitis in the dog. 7003

The efficiency of copper sulphate, phenothiazine and sodium chloride mixture against sheep helminthoses. 7005

Further experiments on the treatment of Strongyloides infestation of horses with thiabendazole. 7011

Anthelmintic treatment of sows with thiabendazole. 7015

Symptoms of intoxications by poisonous pesticides. (JPRS 46216) 7143

Tests with a combination preparation for the treatment of infectious diseases of microbial origin. 7148

Notice of filing of petition for food additives. 7157

Notice of withdrawal of petition for food additives dienestrol diacetate, amprolium, and penicillin. 7158

Treatment of topical fungus infections with dichlorodiphenyltrichloroethane. Patent 3,389,049. 7163

Effect of aminotriazole on thyroid function in the rat. 7164

Hepatotoxic potency of various chlorinated hydrocarbon vapors relative to their narcotic and lethal potencies in mice. 7166

Tolerance of sheep to parenterally administered iqdo-3 hydroxy nitbo-5 benzonitril. 7168

Novobiocin for use in chicken and turkey feed. Drugs for veterinary use; drug efficacy study implementation. 7176

Antibiotics. Use in animals. 7177

Notice of withdrawal of petition for food additives. 7178

Amprolium as a coccidiostat for Angora goats. 7184

Techniques for the systematic control of anthelmintics. gastrointestinal nematodes. Tests with a series of indole-hydrazines. 7194

Cortisone nephropathy in the rabbit. The effect of warfarin administration. 7195

On the behavior of xanthurenic acid in rabbits treated with massive doses of pyridoxine. 7203

Increase in resistance to antibiotics in mastitis agents. 7213

DRUGS
The story behind the label. 6419

Production of cellulase, antibiotic and antitumor substances by growing Eumyces ATCC 16425 Patent 3,438,864. 6445

Animal health business thrives. 6499

Studies on the method of experimental infection of Vibrio parahaemolyticus. I. Infection of Vibrio parahaemolyticus into intestinal segments of rabbits. II. Influence of chemotherapeutic agents on intestinal segments of rabbit infected with Vibrio parahaemolyticus. 6617

Monophosphoric acid esters of halogen containing 2,2'-methylenediphenols. Patent 3,439,069. 7017

Tests with a combination preparation for the treatment of infectious diseases of microbial origin. 7148

Effect of drugs on luminescence in larval fireflies. 7150

Use of antibiotics in animals. 7181

Veterinary prescription drugs. Directions for use. 7182

The saftey evaluation of pet products. 7204

How FDA keeps drugs safe, effective. 7209

Lower alkanoyl esters of polymyxin antibiotics. Patent 3,450,687. 7350

Method of controlling reproductive cycle with 6alpha - methyl - 17alpha hydroxyprogesterone 17-acetate. Patent 3,444,296. 7374

Medicated feeds: States responsibilities. 7421

DRYAS
Insect-flower associations in the high Arctic with special reference to nectar. 5366

DRYING
Diagnosis and treatment of poisoning in cats and dogs. 7183

DRYOPTERIS FILIXMAS
An outbreak of male fern (Dryopteris filix-mas) poisoning. 6822

DUCKLINGS
Central-nervous-system lesions of spontaneous Pasteurella anatipestifer infection in ducklings. 6654

Virus hepatitis of ducks. 6. Communication: Passive immunization of ducklings by vaccinating parent ducks. 6858

DUCKS
Duck coccidia in the Lithuanian SSR. 6472

The characteristics of Staphylococcus aureus isolated from cases of staphylococcosis in poultry. 6614

Spontaneous and experimental aflatoxicosis of ducks. 6626

Tuberculosis in ducks. 6819

Virus hepatitis of ducks. 6. Communication: Passive immunization of ducklings by vaccinating parent ducks. 6858

Cell culture techniques for primary isolation of Marek's disease-associated herpesvirus. 6872

The determination of enterokinase activity in the duck intestine during experimental echinostomatosis. 6927

Measurements of the osmotic pressure in the habitat of Polymorphus minutus (Acanthocephala) in the intestine of domestic ducks. 6930

On the biology of Apatemon gracilis (Rud., 1819), a trematode parasitizing in domestic and wild ducks. 6994

The numbers and dynamics of eggs produced by a trematode Apatemon gracilis (Yamaguti, 1933) in relation to the age of a host and post-infection immunity. 6995

DUFOUREA
Biology of Dufourea and of its cleptoparasite, Neopasites (Hymenoptera: Apoidea). 5646

DUODENUM
Duodenal leiomyosarcoma: A case report. 6491

Location and time of penetration of duodenal epithelial cells by Eimeria acervulina sporozoites. 6555

Hepatocellular carcinoma in the dog. 6586

Hypercalcemia and gastro-duodenal ulcerations. 6849

DUST (SOIL)
Investigation of sheep dips. 3. The influence of breed on stripping and deposition in the fleece of diazinon. 7124

DUSTING
Cattle lice; how to control them. 6889

Protect stored grain from insect damage. 7033

DUSTING EQUIPMENT
Insects and diseases of vegetables in the home garden. 6242

DWARF DISEASE
Milk-vetch dwarf virus. 5963

Dwarf, yellow dwarf, stripe, and black-streaked dwarf diseases of rice.
5968

DWARF MOSAIC
The relationship of Johnson grass and other perennial hosts of maize dwarf mosaic virus to disease spread and control.
6108

DYES
Changes in permeability of the mucosa during intestinal coccidiosis infections in the fowl.
6777

DYSDERCUS CINGULATUS
Studies on the anatomy of the male reproductive system of the red-cotton bug, Dysdercus cingulatus (Fabr.), (Heteroptera, Pyrrhocoridae).
5229

The influence of site application on the toxicity of insecticides in red cotton bug, Dysdercus cingulatus, F.
5549

DYSDERCUS FASCIATUS
Oxidative metabolism of carbohydrates in phytophagous insects. I. Glycolysis in the cotton stainer Dysdercus fasciatus Signoret (Pyrrhocoridae, Hemiptera).
5189

DYSPLASIA
Contribution to the study of uterine dysplasias of functional origin in dogs.
6692

Heredity and breeding measures taken against hip joint dysplasia of the dog.
6720

EARLY BLIGHT
Arsenal for disease control.
5864

Potato early blight and storage rot.
5911

ECDYSONE
Puparium formation in flies: Contraction to puparium induced by ecdysone.
5223

Bracken and locust ecdysones: Their effect on molting in the desert locust.
5251

Effect of ligaturing on puparium formation in the larva of the tsetse fly, Glossina morsitans Westwood.
5432

ECHINOCHLOA CRUS-GALLI
Influence of agrotechnical and chemical treatments on the changeableness of field plant associations.
6389

ECHINOCHLOA CRUSGALLI
Effects of methods of placement on performance of trifluralin, CDEC, and DCPA applied to soil.
6364

ECHINOCOCCOSIS
Control of hydatid disease at abattoirs and country slaughterhouses.
6497

Recent techniques for serodiagnosis of human and animal hydatidosis. IV. Test with sensitized particals of Latex.
6513

The impala as a source of food and by-products. Data on production potential, parasites and pathology of free-living impalas of the Kruger National Park.
6880

Study of blood serum of parasitized animals. I. Electrophoresis.
6966

A physico-chemical approach to the serological diagnosis of cysticercosis.
6976

ECHINOCOCCUS GRANULOSUS
Echinococcus granulosus equinus Williams and Sweatman, 1963 in italy; epizootiological aspects and morphological and biological studies of the parasite.
6968

Spermtail finestructure of Echinococcus granulosus and Dicrocoelium dendriticum.
6978

ECHINOSTOMA REVOLUTUM
The determination of enterokinase activity in the duck intestine during experimental echinostomatosis.
6927

Growth and development of poultry echinostomatids in the organism of definitive host.
6961

ECOLOGY
The arthropod fauna of Sambhar Salt Lake, Rajasthan, india.
5203

Rates of competitive exclusion by the Argentine ant in Bermuda.
5274

Notes on the Swedish species of the genus Centromerus F. Dahl. (Araneae, Linyphiidae). A faunistic report with ecological remarks.
5422

Fewer pesticides- More control.
5656

Practical soil biology.
5786

Some observations on the interrelations of plants and insects in the foothills of southern Tajikistan.
6229

The conditions for occurrence of potato root eelworm (Heterodera rostochiensis Woll.) in Poland.
6302

A study of natural pastures in Madagascar. Productivity and pratical applications.
6427

Evolution of botulism. V. Evolution of pathogenic propertis of Cl. botulinum.
6505

On the biology of Apatemon gracilis (Rud., 1819), a trematode parasitizing in domestic and wild ducks.
6994

On the infection of the Lithuanian birds by the cestodes.
7018

Estimation of marine-borer attack on wooden surfaces.
7046

Environmental contamination problems.
7074

Chlorinated hydrocarbons and eggshell changes in raptorial and fish-eating birds.
7108

Pest control: Advise and consent.
7424

ECONOMIC PLANTS
Insects on trial in fight against lantana.
6276

Agricultural and horticultural fungicides-past, present, and future.
7416

ECONOMIC POLICY
The effect of social and economic changes in the People's Republic of Bulgaria on morbidity from anthrax.
6661

ECONOMICS
Comparative efficacy and economics of various measures adopted for eradication of white grub beetle (Holotrichia serrata Fabricius) damaging sugarcane in Uttar Pradesh.
6204

All we know about pink bollworms.
6271

Burning weeds in drainage ditches to suppress populations of green peach aphids and incidence of beet western yellows disease in sugarbeets.
6395

Experimental husbandry farm experience with herbicides and tillage systems for cereal growing.
6399

Control of sparrows on poultry farms.
6443

Survey of dairy herds in the Moss Vale district of New South Wales. I. Disease wastage.
6711

We lose 06 million a year through damage to hides - are you at fault .
7415

Agricultural and horticultural fungicides-past, present, and future.
7416

ECTHYMA
The increase of contagious ecthyma in the state of Sao Paulo.
6765

ECTOPARASITES
A carbon dioxide bait trap for collecting ticks and fleas from animal burrows.
4972

The biology of the conenose bug parasite, Pimeliaphilus plumifer Newell and Ryckman (Acarina: Pterygosomidae) (Hemiptera: Reduviidae).
5191

Ecological observations on three species of Pimeliaphilus parasites of triatominae in the United States (Acarina: Pterygosomidae) (Hemiptera: Reduviidae).
5192

Wild mammals and fleas of Red Bluff Ranch, New Mexico.
5767

Canine filariasis on Okinawa, Ryukyu Islands.
6988

EGG PRODUCTION
Sex-linked dwarfism and egg production of broiler dams.
6430

Magnesium requirement of the laying hen for reproduction.
6607

A histologic study of medullary bone of laying hens under different diet and housing conditions.
6789

EGG WHITES
Salmonella control programs: Baking industry.
7049

EGG YOLKS
On the employment of egg yolk in immunofluorescent diagnosis of anthrax.
6682

EGGS
Polynema striaticorne Girault (Hymenoptera: Mymaridae), a parasite of the buffalo trechopper, Stictocephala bubalus (F.) (Homoptera: Membracidae), in Quebec.
5465

An improved method for the collection of large numbers of inseminated eggs of Drosophila melanogaster.
5684

Relation between DDT in diets of laying birds and viability of their eggs.
6431

Improving egg quality in poultry by orally administering androgens. Patent 3,438,783.
6433

Influences of an anti-ovulatory compound on the expression of vitamin D deficiency signs in laying hens.
6518

Magnesium requirement of the laying hen for reproduction.
6607

Effects of Salmonella senftenberg injection on chicks hatched from eggs in treatment of testosterone propionate.
6736

Egg transmission studies of Type II leukosis infection (Marek's disease).
6809

Further studies on the screening technique for determining Salmonella-negative samples of pasteurized dried egg.
7048

Heat resistance of Salmonella in various egg products.
7057

DDT and related chlorinated hydrocarbons: Their metabolism in the chick and their induction of microsomal ensymes. 7142

Biochemical studies on the teratogenic action of Bidrin and other neuroactive agents in developing hen eggs. 7207

EICHHORNIA
Water hyacinth: Noxious weed that must be checked. 6379

EIMERIA
On the domestic geese coccidia in the Lithuanian SSR. 6473

The incidence of drug resistant strains of Eimeria in chickens in Great Britain, 1966. 6629

Incidence of bovine coccidia in western Oregon. 6748

EIMERIA ACERVULINA
Pancreatic enzymes initiating excystation of Eimeria acervulina sporozoites. 6554

Location and time of penetration of duodenal epithelial cells by Eimeria acervulina sporozoites. 6555

Changes in permeability of the mucosa during intestinal coccidiosis infections in the fowl. 6777

EIMERIA ADENOEIDES
Eimeria adendeides and E. meleagrimitis: Pathogenic effect in turkey poults. 6620

EIMERIA IRRESIDUA
The effects of low temperature on the sporulation and survival of oocysts of Eimeria perforans, media, magna and irresidua. 6944

EIMERIA MAGNA
The effects of low temperature on the sporulation and survival of oocysts of Eimeria perforans, media, magna and irresidua. 6944

EIMERIA MEDIA
The effects of low temperature on the sporulation and survival of oocysts of Eimeria perforans, media, magna and irresidua. 6944

EIMERIA MELEAGRIDIS
Eimeria adendeides and E. meleagrimitis: Pathogenic effect in turkey poults. 6620

EIMERIA PERFORANS
The effects of low temperature on the sporulation and survival of oocysts of Eimeria perforans, media, magna and irresidua. 6944

EKATIN
Effects in warmblooded animals of thiometon (2-ethylthioethyl o,o-dimethylthiophosphate) ingested in drinking water. 7149

ELATERIDAE
Sex attractant identified in click beetles of the sugar-beet wireworm. 5442

ELECTRIC POWER GENERATION
These weeds mean trouble. 7042

ELECTRODES
Electro-reduction of dieldrin and aldrin. 7378

ELECTROLYTES
Intracellular concentration of electrolytes in the housefly. 5598

The influence of some electrolytes on the adsorption and release of symmetrical triazines on some organic colloids. 7104

ELECTRON CAPTURE
Use of an electron capture detector in gas chromatography. III. An example of its application. A study of the response of some chlorinated and phosphorated pesticides. 7340

ELECTRON MICROSCOPES
Experimental studies on bovine tick-borne fever. 1. Clinical and haematological data, some properties of the causative agent, and homologous immunity. 6844

ELECTRON MICROSCOPY
On the presence of microtubules in the ergastoplasm and the perinuclear space of the oenocytoids of the migratory locust, Locusta migratoria migratorioides (R. and F.). 5256

Composition, structure, and mode of formation of mineral granules in the middle intestines of the homopteran Cercopidae. 5334

The presence of a differentiated cytoplasmic zone around the nuclei in the cells of the middle intestine of Cixius nervosus L. (Homoptera, Fulgoroidea). 5335

Electron microscopic and biochemical characterization of collagen in blattarian insects. 5356

Electron microscopy for the diagnosis of insect diseases. 5374

Comparison of the structure of symbiotic bacteria in various sap sucking insects. 5433

On the transport of microorganisms (Phi particles) by the female germinal cells in the homopteran Typhlocyba douglasi Edw.. 5454

A tactile seta of the Two-spotted Spider Mite, Tetranychus urticae K. (Acarina: Tetranychidae). 5460

In vivo and in vitro cytological diagnosis of densonucleosis in Lepidoptera. 5469

Biochemical aspects of juvenile hormone action in the adult Locusta migratoria. 5474

Comparisons of cells, refractile bodies, and spores off Bacillus popilliae. 5477

Electron microscopy of the development of the lining of the sporoblast in the coccidian Coelotropha durchoni. 5535

Flea Ctenophthalmus: Heterogeneous hexagonally organized layer in the midgut. 5558

Ultrastructure of the secretory inclusions of the salivary gland cell in Drosophila. 5562

The fine structure of the ventral intersegmental abdominal muscles of the insect Rhodnius prolixus during the molting cycle. Ii Muscle structure at molting. 5648

The fine structure of the ventral intersegmental abdominal muscles of the insect Rhodnius prolixus during the molting cycle. II. Muscle changes in preparation for molting. 5649

Polytene chromosomes in silk gland cells of the silkworm, Bombyx mori. 5727

Spermiogenesis in wild type and in a male sterility mutant of Drosophila melanogaster. 5738

Unusual filamentous structures in the paragonia of male Drosophila. 5742

The occurrence of coupea mosaic virus in the state of Sao Paulo. 5885

Studies on an Italian isolate of the tobacco necrosis virus. 6003

Electron microscopic studies of rice viruses. 6077

Electronmicroscopic, cytochemical and immunochemical study of B. anthracis and B. cereus. 6477

Sites of avian leukosis virus multiplication in congenitally infected chickens. 6556

Characterization of bovine viral diarrhea viruses. I. Determination of buoyant density. 6574

Reproduction of type 12 adenovirus in HeLa culture cells. 6659

Electron microscopy study of the localization of antigens in a virulent and an avirulent strain of Francisella tularensis, using mercury-labelled antibodies. 6719

Electron microscopic observations of inclusion bodies in swinepox. 6735

Crystalline inclusions in Bacillus thurineiensis. 6747

Electronmicroscopical aspects of Mycoplasma agalactiae. 6764

Fowl pox inclusion-body formation in skin epithelium of chicks. 6817

Biochemical and biophysical characteristics of vesicular exanthema virus and the viral ribonucleic acid. 6864

Use of a scanning electron microscope for the examination of Actinomycetes. 6869

Spermtail finestructure of Echinococcus granulosus and Dicrocoelium dendriticum. 6978

The fine structure of the spermatozoon of sheep tapeworm, Moniezia expansa (Rud., 1810)(Cyclophyllidea, Anoplocephalidae). 7013

Cortisone nephropathy in the rabbit. The effect of warfarin administration. 7195

ELECTROPHORESIS
A comparative electrophoresis study of the Triatoma rubida Complex (Hemiptera: Reduviidae: Triatominae). 5181

The action of iontophoretically applied glutamate on insect muscle fibres. 5222

Nonspecific esterases in mosquitos. 5316

Biochemical aspects of juvenile hormone action in the adult Locusta migratoria. 5474

Genetics of octanol dehydrogenase in Drosophila metzii. 5733

Immunofluorescent and immunophoretic data on antigenic properties of Candida albicans. 6490

Evidence of lactate dehydrogenase in Anaplasma marginale. 6541

Antigens of Brucella abortus. I. Chemical and immundelectrophoretic characterization. 6628

Study of blood serum of parasitized animals. I. Electrophoresis. 6966

A physico-chemical approach to the serological diagnosis of cysticercosis. 6976

ELECTROPHYSIOLOGY
Electroretinogram of the scorpion Androctonus australis in response to periodical illumination. 5252

ELECTRORETINOGRAMS
Electroretinogram of the scorpion Androctonus australis in response to periodical illumination. 5252

ELODEA CANADENSIS
Influence of simazine on apparent photosynthesis of aquatic plants and herbicide residue removal from water. 7305

EMBRYOLOGY
The modification of embryologic differentiation processes through total radiotherapy in eggs of Gryllus domesticus. 5362
A note on the metamorphosis of the mid-gut epithelium in Callosobruchus maculatus (F.) (Bruchidae: Coleoptera). 5513

EMBRYOS
Influence of various strains of the Aujeszky virus on the metabolism of cells cultured in vitro. 6658
Control of Marek's disease by the use of inoculated chicken embryo fibroblasts. 6677
The detection of the ECPO virus antigen in tissue culture with the aid of fluorescent antibodies. 6681
A hemagglutination-inhibition test for Mycoplasma meleagridis antibodies. 6787
Occurrence of infectious bronchitis of poultry in India. 6853

EMERGENCE
Action spectra for phase shifts of a circadian phythm in Drosophila. 5310
Effect of cultivation on emergence of eye gnats (Hippelates spp.) in South Carolina. 5320
Halo-substituted phenoxyethyl carbamates and derivatives thereof. Patent 3,439,021. 6334

EMPOASCA
A simple method for counting leaf-hopper eggs inserted in plant issue. 5319

EMPOASCA FABAE
Alfalfa insects in Ohio. 6158
Control of insects on alfalfa and red clover. 6185

EMULSIONS
Immunogenic properties of polyvalent and associated emulsion vaccine against paratyphoid fever and brucellosis of sheep. 6637
Separation and quantitative analysis of the active ingredient dimethoate and of its changed components contained in emulsions and wettable powders. 7325

ENALLAGMA
A damsel-fly as the second intermediate host of a pleurogenetine trematode. 5488

ENCEPHALITIS
Gambusia for Colorado. 5746
Culex nigripalpus: Seasonal shift in the bird-mammal feeding ratio in a mosquito vector of human encephalitis. 5753
Immunologic structure of the population in a foothill Taiga focus of tick-borne encephalitis in the Zone of Construction of the Krasnoyarskaya Hydropower Station after realization of tick control measures. 5766
Efficacy of use of some phospho-organic compounds as acaricides in foci of tick-borne encephalitis. 5772
Western Encephalitis virus in Alberta. 6812

ENCEPHALOMALACIA
Polioencephalomalacia: Response to thiamine treatment in sheep and a cow. 6867

ENCEPHALOMYELITIS
Investigations on the viruses of the Orphan type occurring in pigs in Polannd. V. Histopaphological changes in the central nervous system of piglets infected with virus L1. 6885

ENCYRTIDAE
Three new southern African species of Oobius Trjapitzin, 1963 (Hymenoptera: Encyrtidae). 4988
Descriptions of new species of the family Encyrtidae from Czechoslovakia (Hym., Chalcidoidea). II. 5068
Two species of Copidosoma parasitic on the potato tuber moth (Hymenoptera: Chalcidoidea-Encyrtidae). 5151
A new name for Metaphycus eriococci Alam (Hymenoptera: Chalcidoidea-Encyrtidae). 5153

ENDOCRINE GLANDS
Two major effects of the corpus allatum in the adult Colorado beetle (Leptinotarsa decemlineata Say). 5281

ENDOMETRIUM
Contribution to the study of uterine dysplasias of functional origin in dogs. 6692
Cystic endometrium in Western Australian cattle. 6841

ENDOSULFAN
Insecticide control of Heliothis punctigera Wallengr. II. Linseed crop, 1961. 6159
New insecticides against pests of rape and beets. 6248
How to control jute pests economically. 6267

ENDOTHAL
Controlling weeds in turf. 6387

ENDOTOXINS
Action of bacterial endotoxins on the blood circulation system with consideration of the relations to enterotoxemia (edema disease) of the swine. 6859

ENDRIN
Cotton pests control by ultra low volume spraying from the air. 5228
Co-resistance and resistance inheritance in a dieldrin resistant laboratory stock of the clothes moth (Tineola bisselliella (Hum.), Lep.). 5423
Evidence of a nonspecific type resistance to insecticides by a resistant strain of the tobacco budworm. 5516
Effect and compatibility of nutrient sprays with insecticides and fungicides for groundnut (A. hypogea). 6063
Field studies on the chemical control of the stem borer Chilo partellus on hybrid sorghum in India. 6143
Description, damage and control of the southwestern corn borer. 6188
Countering the castor semi-looper. 6236
How to control jute pests economically. 6267
Saving stored rice from attacks of insect pests. 7037
Persistent pesticides. 7083
Microscopic identification of some chlorinated hydrocarbon insecticides on different substrata. 7381
Many problems in teaching pest control to Indonesians. 7418

ENERGY
Evaluation of some parameters of the individual energy budget of the larvae of Pteromalus puparum (L.) (Pteromalidae) and Pimpla instigator (Fabr.) (Ichneumonidae). 5264
The coupling of poweroutput and myofibrillar ATPASE activity in glycerol-extracted insect fibrillar muscle at varying amplitude of ATP-DRIVEN oscillation. 5572

ENTERIC CYTOPATHOGENIC PORCINE ORPHAN VIRUS
The detection of the ECPO virus antigen in tissue culture with the aid of fluorescent antibodies. 6681

ENTEROBACTERIACEAE
The pigmented coliforms of dehydrated food. 7051
On the use of TEGO 51 in animal food industries--toxicity and bactericidal properties. 7067

ENTEROTOXEMIA
Effects of ration energy level, vaccination, and antibiotics on feedlot performance of range lambs. 6795
Action of bacterial endotoxins on the blood circulation system with consideration of the relations to enterotoxemia (edema disease) of the swine. 6859

ENTEROVIRUSES
Investigations of antiviral substances present in normal horse and calf sera. 6883

ENTOMOLOGY
Soviet entomology during the period 1917-1967. (JPRS 43,647) Transl. 16962. 4966
The insect world. Series: The universe of knowledge. 4967
A brief note on entomology. 4977
Bibionid larvae in the stomach of a deer. 4978
Systematic entomology: Distribution of insects in the Pacific. 5117
Proceedings of the Entomological Society of Ontario. 5158
Evolutionary trends in Heteroptera. Part 1 Eggs. architecture of the shell, gross embryology and eclosion. 5267
Bibliography of New Guinea entomology. 5341
Integrated insect control - a payoff from research. 5435
Insect pathology and microbial control. Proceedings of the International Colloquium on Insect Pathology and Microbial Control, Wageningen, the Netherlands, September 5/10, 1966. 5657

ENTOMOPHTHORA
Infection rate of Culex pipiens L. mosquitoes with parasitizing fungus Entomophthora conglomerata Sorok. in the vicinity of Novocherkassk. 5382
Induced virescent-bud mutation in Gossypium hirsutum. 5420

ENTOMOPHTHORACEOUS FUNGI
Entomophthorous fungi as a natural factor in decreasing pea aphid populations. 5299

ENVIRONMENT
Synecological studies of soil macroentomofauna in two different agricultural biotopes. 5332
The influence of environmental factors. 5378
A technique for rearing trombiculid mites (Acarina) developed in a tropical laboratory. 5489
Temperature and humidity effects on the oviposition of Hyalomma aegyptium ticks of different engorgement weights. 5637
Environmental and genetic variations of wing size, cell size and cell division rate, in Drosophila melanogaster. 5700
Factors influencing the persistence of the granulosis virus of Pieris brassicae in the environment. 5752
Science and sense. As presented to the Weed Society of America, February 8, 1966. 5819
Natural durability of some woods used in Hawaii; preliminary findings. 5843
Report on forest research for the year ended March 1968. 5845
S.N.F. content of milk. 6446
Parenteral chemotherapy of ovine foot-rot. 6561
Cattle bloat in southern New England, N.S.W. 1961-66. 6874
Environmental pollution: Scientists go to court. 7072
Environmental contamination problems. 7074
Will the use of 2,4,5-T to control streamside vegetation contaminate public water supplies. 7078
Influence of magnesium and zinc fertilizing on the yield, quality as well as health of hops. 7266
Lodging in wheat and its control by (2-chloroethyl) trimethylammonium chloride (CCC) in solid form. 7308
Interagency environmental hazards coordination; pesticides and public policy. 7423

ENVIRONMENTAL CONTROL
Pest control: Advise and consent. 7424

ENZOOTIC ABORTION
Enzootic abortion and sterility from bovine leptospirosis in the Po valley. 6488

ENZYMES
The induction of NAD kinase by DDT in Triatoma infestans. 5182
Some properties of the microsomal system metabolizing DDT in Triatoma infestans. 5183
D-Amino acids in animals. 5271
Trehalose regulation of gucose-6-phosphate hydrolysis in blowfly extracts. 5317
Cytodifferentiation during insect metamorphosis: The galea of silkmoths. 5399
Metabolism of the muscle of the scorpion. 5403
Regulation of tryptophan metabolism in the parasitic wasp, Habrobracon juglandis. 5439
The calcium sensitivity of ATPase activity of myofibrils and actomyosins from insect flight and leg muscles. 5456
The decarboxylation of luciferin in firefly bioluminescence. 5531
Oxidative metabolism of C14-labeled Baygon by living house flies and by house fly enzyme preparations. 5604
2,4-D metabolism. Enzymatic hydroxylation of chlorinated phenols. 5784
2,4-D metabolism; enzymatic degradation of chlorocatechols. 5785
Pectic and cellulolytic enzymes produced by Mycosphaerella citrullina and their relation to black rot of squash. 5903
Effect of some pesticides on the adrenal glands in the rat. 6424
Production of cellulase, antibiotic and antitumor substances by growing Eumyces ATCC 16425 Patent 3,438,864. 6445
Leptospira icterohaemorrhagie natural infection in the dog. I. Determination of activities of serum enzymes. 6504
Evidence of lactate dehydrogenase in Anaplasma marginale. 6541
Pancreatic enzymes initiating excystation of Eimeria acervulina sporozoites. 6554
Catabolite repression in Escherichia coli. A study of tow hypotheses. 6732
Outbreak of influenza A/equi 2 in Italy. 6756
Neuraminidase activity of the Newcastle disease virus. I. A study of the enzyme activity in differently cultivated strains. 6847
The biochemical mechanism of action of the anthelmintic drug tetramisole. 6918
The determination of enterokinase activity in the duck intestine during experimental echinostomatosis. 6927
Histochemical and bacteriological studies on digestion in nine species of leeches (Annelida: Hirudinea). 6958
The investigations of main intestine enzymes--enterokinase and alkaline phosphatase in experimental pig trichocephaliasis. 6964
Complex investigation of the functional state of the liver in the course of experimental flukeworm disease in sheep. 6989
Adenosinetriphosphatase activity in muscle tissue mitochondria of swine ascarid (Ascaris suum, Goeze, 1758). 6990
The glyoxylate cycle, fructose-1,6-diphosphatase and glyconeogenesis in Fasciola hepatica. 6993
Studies on a series of branched-chain analogs of diethyl malathion and malaoxon with regard to toxicity and in vitro enzymatic reactions. (abstract). 7151
Degradation and activation of parathion analogs by microsomal enzymes. 7189
Auxin and wall extensibility: Reversibility of auxin-induced wall-loosening process. 7233
The metabolism of 3,4-dichloropropionanilide in plants. Partial purification and properties of an aryl acylamidase from rice. 7246
Enzyme studies in nematode infected root-knots of the tomato plant. 7257
Thin-layer chromatographic-enzymatic identification of organophosphorus insecticides. Actiuation of weak esterase inhibitors. 7324
Microbial degradation of aromatic compounds. 7346

EOSINOPHILS
Effects of Echis carinatus venom on tissue and blood histamine and their relations to local tissue reactions and eosinophil changes. 7187

EPERYTHROZOON
Ixodes ricinus borne parasites of cattle in the Netherlands. 6210

EPERYTHROZOON SUIS
Eperythrozoonosis in swine: A review. 6669

EPERYTHROZOONOSIS
Eperythrozoonosis in swine: A review. 6669

EPHEMERELLIDAE
The infection of immature aquatic insects by larval Paragordius (Nematomorpha). 5167

EPHEMEROPTERA
Apparent DDT tolerance in an aquatic insect disproved by test. 5622
Life cycles of benthic insects in Lapland streams (Ephemeroptera, Plecoptera, Trichoptera, Diptera Simuliidae). 5653

EPICAUTA GORHAMI
Temperature and termination of diapause in Epicauta gorhami Marseul (Coleoptera, Meloidae), with particular reference to the mechanism of contemporaneous emergence. 5491

EPIDEMIOLOGY
On the biology of Simulium damnosum Theobald, 1903, the main vector of onchocerciasis in the Mahenge Mountains, Ulanga, Tanzania. 5360
Occurence and host range of Ascochyta phaseolorum in Queensland. 5862
The occurrence and observation of Puccinia striiformis in the State of Washington. 5935
Etiology, symptomatology and epidemiology of a virus disease of cultivated mushrooms. 6069
Transfer of Coriandrum sativum L. inflorescence blight through seeds and the influence of seed treatment upon this disease. 6116
Enzootic abortion and sterility from bovine leptospirosis in the Po valley. 6488
Studies of tuberculosis in hens as a problem of food hygiene. 6493
Canine leptospirosis in Argentina. 6507
Some outbreaks of turkey erysipelas. 6510
Rabies, disease of today. Its new etiological and epidemiological aspects. 6519
Listeriosis in sheep - observations on an outbreak in Romagna. 6532
Equine influenza in Mexico. Isolation and study of the strain E/Equi 2/ Mexico/1/66. 6538

Contribution to the study of prophylaxis of bovine pneumonia in the Republic of Haute-Volta.
6551

Infectious disease review: newer concepts of rabies.
6563

Outbreak of ornithosis in a flock of carrier pigeons in Copenhagen.
6584

Brucella ovis infection. 2. The infection status in breeding flocks as measured by examination of rams and the perinatal lamb mortality.
6618

Preliminary results in a study of natural foci of tularemia in the Sisak-Gusce-Popavaca region of Croatia. (JPRS 44,159).
6623

Serological examination for evidence of brucellosis and leptospirosis in beef herds in New South Wales.
6633

Incidence of udder infections arising at various stages of lactation of cows.
6734

Outbreak of influenza A/equi 2 in Italy.
6756

A study of the relationship between the serological Salmonella types isolated from humans and from foodstuffs.
6774

Experimental studies on bovine tick-borne fever. 1. Clinical and haematological data, some properties of the causative agent, and homologous immunity.
6844

A preliminary report on the incidence of infectious laryngotracheitis (ILT) of poultry by gel-diffusion test.
6852

Epidemiology of helminth infestation of beef cattle in central Queensland.
7019

An epidemiologic application of the study of DDE levels in whole blood.
7100

Table of human infections. In: Diseases of man acquired from his pets.
7146

EPIDIDYMITIS
Clinical and pathological studies of Border Leicester rams naturally infected with Actinobacillus seminis.
6487

A Brucella ovis antigen for the skin test of ovine genital brucellosis.
6515

EPILACHNA VARIVESTIS
Effects of dimethyl sulfoxide on the biological activity of selected miticides and insecticides.
7280

EPIMYODEX TALPAE
Epimyodex talpae n. g., n. sp., a sub-cutaneous parasite of the mole in Belgium (Demodicidae: Trombidiformes).
5029

EPINEPHRINE
Adrenergic mechanism in Bordetella pertusis treated animals.
6475

Effect of drugs on luminescence in larval fireflies.
7150

EPITHELIUM
Fowl pox inclusion-body formation in skin epithelium of chicks.
6817

EPIZOOTIC DISEASES
The influence of environmental factors.
5378

Decrease in immunity of insects under the influence of bacterial infection transmitted by hymenopterous parasites.
5385

Use of histopathology indices of haemolymph for the prognosis of mass propagation of pests.
5434

Conditions determining the initiation and development of nuclear polyhedrosis epizootics in Lepidoptera.
5506

Parasites as vectors of granulosis virus of Hadena sordida Bkh.
5599

The study of virus epizootics in insect populations.
5625

Ixodes ricinus borne parasites of cattle in the Netherlands.
6210

The organization of the collective prophylaxis of infectious animal diseases in France.
6520

Observations of infectious diarrhea as part of the shipping fever syndrome in feedlot cattle.
6631

An enzooty of strangles caused by virus A2 equi Miami 63 in the region of Lyon.
6656

Gangrenous mastitis in ewes. II. Characteristics of the staphylococci, isolated from healthy ewes and from ewes affected with gangrenous mastitis.
6675

Results of microbiological examination of reservoir animals in the west Slovakia region for tularemia.
6701

Staphylococcus epizootic in western Oregon cottontails.
6712

Vaccination of cattle against epizootic bovine abortion.
6715

Cause and prevention of epizootic bovine abortion.
6716

Foot-and-mouth disease in England.
6721

Aspergillosis in Japanese quail.
6749

Beware of brucellosis.
6761

Herpesvirus in Marek's disease tumors.
6800

Experimental transmission of Histomonas meleagridis and Heterakis gallinarum by the sowbug, Porcellio scaber, and its implications for further research.
6830

Studies on the epizootiology of rinderpest in blue wildebeest and other game species of northern Tanzania and southern Kenya, 1965-7.
6840

The transmission of west equine encephalomyelitis virus from chicken to chicken by Culex pipiens (SAY).
6856

Relationship of aflatoxin to epizootics of toxic hepatitis among animals in southern United States.
6870

The gamasid mites (Parasitiformes, Gamasoidea) of the Pavlodar province of Kazakhstan.
6906

Epizootiologic factors of infestation by Trichostrongylidae in ovines in Leon.
6937

The epizootiology of ovine verminous bronchopneumonias in Leon.
6943

The epizootiology of dicroceliosis in the province of Leon.
6967

Echinococcus granulosus equinus Williams and Sweatman, 1963 in italy; epizootiological aspects and morphological and biological studies of the parasite.
6968

Achievments of Soviet investigators in the study of helminth biology and helminthosis epizootiology.
7008

EQUINE ENCEPHALOMYELITIS
Survival of western equine encephalitis virus in Triatominae.
5761

The transmission of west equine encephalomyelitis virus from chicken to chicken by Culex pipiens (SAY).
6856

Encephalitis field surveillance in Orleans Parish.
6903

EQUINE INFECTIOUS ANEMIA
Behavior of equine infectious anemia virus in cell culture and development of a diagnostic test for the disease.
6562

EQUINE INFLUENZA
Vaccination of the horse for equine influenza with an uncomplemented polyvalent vaccine.
6534

Equine influenza in Mexico. Isolation and study of the strain E/Equi 2/ Mexico/1/66.
6538

Outbreak of influenza A/equi 2 in Italy.
6756

EQUINE RHINOPNEUMONITIS
Isolation of equine rhinopneumonitis virus from acute respiratory disease in a horse in Queensland.
6480

EQUIPMENT
A sound-activated method for recording insect activity.
4970

Inflated plastic bags as cages for insects on potted plants.
5212

Gesapon for insect pests.
5387

An instrument to hold rabbits for blood sucking Simuliid experiments.
5574

The clearing of underbrush and the destruction of undesireable vegetation in the forest. Inventory of materials and techniques.
5800

Cotton as a supplement to tobacco.
5807

A modified soil percolator for zoospore production and infection in studies on zoosporic root pathogens.
5868

Weed control and the economics of direct reseeding.
6318

Chemical growth inhibition in turf.
6349

An improved portable sheep dipping vat.
7012

Dry milk equipment design and its relation to the salmonella problem.
7065

New equipment answer to demand for improved herbicide product.
7387

Agricultural engineering.
7392

A sub-surface applicator for herbicides.
7399

Theoretical and practical aspects of room spraying.
7401

Groundnuts.
7410

ERADICATION
Immunologic structure of the population in a foothill Taiga focus of tick-borne encephalitis in

the Zone of Construction of the Krasnoyarskaya Hydropower Station after realization of tick control measures.
5766

Contribution to the importance of inoculation against hog cholera as a measure for eradication of this infection in Yugoslavia.
6558

ERIOPHYES THUJAE
Control of some pests of evergreens.
6162

ERIOPHYIDAE
The red currant gall mite can be controlled by spraying.
6268

ERIOSOMA LANIGERUM
Hard to kill pests of fruit trees - woolly apple-aphid.
5195

Granny Smith versus Jonathan.
5840

Establishment of Aphelinus mali (Haldeman) at Shillong, Assam.
6163

Northern spy, Merton and Malling-Merton rootstocks susceptible to woolly aphid, Eriosoma lanigerum, in the Western Cape.
6180

ERYSIPELAS
Some outbreaks of turkey erysipelas.
6510

ERYSIPELOTHRIX INSIDIOSA
On the bacterial effect of ionizing irradiation on certain microorganisms. Second communication. A study of the bactericidal effect of gamma rays on certain bacteria and the spores of Bac. anthracis.
6425

ERYSIPHACEAE
Erysiphaceae (Mycophyta) in the nature preserve of Cheile Turzii.
5871

The powdery mildews on the ornamental plants.
5982

ERYSIPHE CICHORACEARUM
The inheritance of resistance to powdery mildew in the cantaloupe variety seminole.
5953

ERYSIPHE POLYGONI
An observation on the influence of nitrogen fertilization on the attack of peas by powdery mildew (Erysiphe polygoni DC).
6131

ERYTHROCYTES
Arbovirus-erythrocyte interaction. Adsorption, elution and neutralization of virus.
6589

Attempts to induce recombinant somatic cells in chicken erythrocyte chimaeras by repeated injection of western equine encephalomyelitis virus.
6660

ESCHERICHIA COLI
Inhibition of DNA-DEPENDENT RNA polymerase by the exotoxin of Bacillus thuringiensis var. gelechiae.
5597

Zoonoses in india.
6667

Diarrhoea in pigs.
6699

Catabolite repression in Escherichia coli. A study of tow hypotheses.
6732

Coli dysentery (colibacillosis) of suckling pigs.
6807

The role of Escherichia coli in gastroenteritis in newly-born calves in the District of Tolbuhin.
6832

Effect of DDT, dieldrin, heptachlor on the growth of selected bacteria.
7234

Effect of DDT, dieldrin and heptachlor on the growth of selected bacteria. (Abstract).
7235

ESTERASES
Nonspecific esterases in mosquitos.
5316

Thin-layer chromatographic-enzymatic identification of organophosphorus insecticides. Actiuation of weak esterase inhibitors.
7324

ESTERS
Antifungal action of a phosphate ester pesticide, O-Mchlorophenyl O,O-dimethyl phosphorothioate, used in nutrient media for fungi. (abstract).
7175

Phenoxythioacetic esters as desiccants. Patent 3,445,221.
7366

Pyridine esters of cyclopropanecarboxylic acid. Patent 3,438,993.
7385

ESTROGENS
Influences of an anti-ovulatory compound on the expression of vitamin D deficiency signs in laying hens.
6518

ESTRUS
Ovarian cycle in cows with irregular estrus cycles.
6644

Method of controlling reproductive cycle with 6alpha - methyl - 17alpha hydroxyprogesterone 17-acetate. Patent 3,444,296.
7374

ETHION
Studies on the strawberry mite (Tetranychus telarius (L).
6161

Control of some pests of evergreens.
6162

ETHOPABATE
Notice of withdrawal of petition for food additives.
7178

ETHYL N,N-DIPROPYLTHIOCARBAMATE
Chemical weed control in sweet potatoes.
6396

ETHYL N,N-DIPROPYLTHIOLCARBAMATE
Herbicides for weed control in sweet potatoes.
6341

Precision placement of herbicides for weed control in seedling alfalfa.
6359

ETHYLENE
Ethylene prevents normal photoperiodic response in Chrysanthemum morifolium.
7286

ETHYLENE DIBROMIDE
Cotton and plant parasitic nematodes.
6298

The comparative metabolism of ethylene dimethanesulphonate and ethylene dibromide.
6652

ETHYLENE DIMETHANESULFONATE
The comparative metabolism of ethylene dimethanesulphonate and ethylene dibromide.
6652

ETHYLENEDIAMINETETRAACETIC ACID
Absorption and distribution of ethylenediaminetetraacetic acid (EDTA) ingested by the chick.
6432

Effects of Echis carinatus venom on tissue and blood histamine and their relations to local tissue reactions and eosinophil changes.
7187

ETIOLOGY
Etiology, symptomatology and epidemiology of a virus disease of cultivated mushrooms.
6069

Veterinary science.
6438

Bovine respiratory disease, diagnosis and control.
6593

Viral etiology of the bovine lympholeukosis.
6729

Contribution to atrophic rhinitis in pigs.
6803

Observations on crooked calf disease.
6814

EUGLOSSINI
Biologically active compounds in orchid fragrances.
5290

EULOPHIDAE
A report on the eulophid (Hymenoptera: Chalcidoidea) fauna of two scottish birch woods.
4990

EUMEGACETES ARTAMII
Adults of Eumegacetes artamii from white leghorn pullets infected with the metacercariae from two dragonflies.
7009

EUPHORBIA PULCHERRIMA
Effects of fungicide drenches on established poinsettia plants.
7267

EUPROCTIS L UNATA
New record of a braconid parasite, Apantales colemani Viereck., from the larvae of Euproctis lunata Walker.
5514

EUROPEAN FOULBROOD
Experiments on the etiology of European foul brood of the honeybee.
5204

EUSCELIDIUS VARIEGATUS
Transmission of clover phyllody by a new leafhopper vector, Euscelidius variegatus.
6179

EUTETRANYCHUS BANKSI
Juice quality of grapefruit following June versus September applications of a 412 paraffinic petroleum oil with data on control of certain pests.
7238

EUXOA MESSORIA
Toxicological studies on cutworms. I. Laboratory studies on the toxicity of insecticides to the dark-sided cutworm.
5357

EVANSIPSYLLA THYSANOTA
Evansipsylla thysanota, a new genus, new species of flea from Nepal (Siphonaptera: Hystrichopsyllidae).
5156

EVOLUTION
Sex-Determination.
5273

Evolution of botulism. V. Evolution of pathogenic propertis of Cl. botulinum.
6505

The geographical and evolutionary relationships of Australian trichostrongyloid parasites and their hosts.
6955

Occurrence of accessory chromosomes in Panicum maximum Jacq..
7253

EXCRETA
Some factors that condition feeding in larvae of the migratory locust, Locusta migratoria migratorioides (Orthoptera, Acrididae). I. External factors.
5613

Volatile fatty acids excreted by Fasciola hepatica, L..
7006

EXCRETION
Absorption and distribution of ethylenediaminetetraacetic acid (EDTA) ingested by the chick.
6432

Excretion of radioactive mestranol in the milk of animals.
6444

Duration of rinderpest virus excretion in cattle immunized with an inactivated vaccine.
6496

Toxoplasma gondii: Fecal forms separated from eggs of the nematode Toxocara cati. 6582

Statistical analysis of blood serum composition, urine excretion levels and the occurrence of urolithiasis in sheep. 6687

EXPERIMENTAL INSECTS

A sound-activated method for recording insect activity. 4970

Toxicological studies on cutworms. I. Laboratory studies on the toxicity of insecticides to the dark-sided cutworm. 5357

Investigations into the honey bee's learning of spectral colors. 5466

Insecticidal and acaricidal effect of some binary mixtures. 5627

Studies on acute Marek's disease. VIII. The role of mosquitoes in transmission under experimental conditions. 6498

EXTRACELLULAR SUBSTANCES

Cell-free synthesis of tobacco mosaic virus coat protein and its combination with ribonucleic acid to yield tobacco mosaic virus. 6073

EXTRACTS

X-ray analysis of hyphal and sclerotial walls of Sclerotium rolfsii Sacc. 5059

Insect venoms, attractants, and repellents. XI. Massoilactone from two species of formicine ants, and some observations on constituents of the bark oil of Cryptocarya massoia. 5257

Contribution to the physiology of the guest-host-relations (myrmecophily) in ants. I. The relation between the myrmecophilic Atemeles- and Lomechusa-larvae and Formica. 5369

Gas-liquid chromatography analysis of DDT metabolism in Aedes aegypti. 5370

Attempts to induce crossing-over in Drosophila melanogaster males with ovarian extracts. 5739

2,4-D metabolism. Enzymatic hydroxylation of chlorinated phenols. 5784

Virus enhancement with a growth product of Streptomyces scabies. I. Production and properties of scaben. 5810

Virus enhancement with a growth product of Streptomyces scabies. II. Increased release of coxsackievirus B5 from hEp-2 monolayers treated with scaben. 5811

Assembly of protein and nucleoprotein particles from extracted tobacco rattle virus protein and RNA. 6074

EXTREMITIES

Observations and ethological considerations on lesions caused by faults in the construction of stalls in some cattle herds. 6450

EXUDATES

Exudates of germinating spores of Bacillus thuringiensis. 5502

Central-nervous-system lesions of spontaneous Pasteurella anatipestifer infection in ducklings. 6654

EYES

Effects of the inhibitor of xanthine dehydrogenase, 4-hydroxypyrazolo(3,4 d)pyrimidine (or HHP) on the red eye pigments of Drosophila melanogaster. 5232

Relation of eye color to molting in Periplaneta americana l. 5309

Pigment movement and the crystalline threads of the firefly eye. 5372

Central nervous system control of circadian rhythmicity in the cockroach. II. The pathway of light signals that entrain the rhythm. 5500

Visual centers during postembryonic life of Callosobruchus maculatus (F.). 5588

Records of eye-frequenting Lepidoptera from man. 5749

Studies on an ocular infectious laryngotracheitis vaccine. 6459

An unusual case of pseuoomonas conjunctivitis in a Siamese cat. 6663

Studies on the intraocular inoculation of dogs with various strains of leptospires. 6863

Observations on the occurrence of Thelazia or eyeworm infection of cattle in Northern New South Wales. 7010

FAGUS GRANDIFOLIA

Twig and branch mortality of American beech infested with oystershell scale. 6172

FANNIA

Houseflies, blowflies and cluster flies. 6901

FARM BUILDINGS

Turkey management guide. 6441

Insect and mite pests of livestock, poultry, and farm buildings. 6899

FARM MANAGEMENT

All we know about pink bollworms. 6271

Turkey management guide. 6441

Disease prevention in the piggery. 6544

The introduction of Nematodirus battus (Crofton and Thomas, 1951) into a new environment. 6951

Report on the working party on liver-fluke in Wales. 7002

FASCIOLA HEPATICA

Investigation of the effect of preparation Bayer 9015-12.50W.G. on adult Fasciola hepatica in sheep. 6922

Metabolic fate of histidine in the parasitic worm Fasciola hepatica L.. 6965

Complex investigation of the functional state of the liver in the course of experimental flukeworm disease in sheep. 6989

The glyoxylate cycle, fructose-1,6-diphosphatase and glyconeogenesis in Fasciola hepatica. 6993

An approach to the treatment of outbreaks of Fascioliasis in sheep. 7001

Volatile fatty acids excreted by Fasciola hepatica, L.. 7006

FASCIOLIASIS

A new compound effective against acute fascioliasis in sheep. 6921

Practice of animal dictyocaulosis and fascioliasis control. 6991

An approach to the treatment of outbreaks of Fascioliasis in sheep. 7001

Report on the working party on liver-fluke in Wales. 7002

Monophosphoric acid esters of halogen containing 2,2'-methylenediphenols. Patent 3,439,069. 7017

FAT BODY

The development of fat bodies in the larvae of Calliphora erythrocephala Meig,. 5277

Nicotinamide-adenine dinucleotide-linked form of lactic dehydrogenase of the symbionts and fat bodies of a cockroach. 5295

Trehalose regulation of gucose-6-phosphate hydrolysis in blowfly extracts. 5317

Changes in the content of fixed amino acids in tissues of silk worm during development. 5592

A relationship between ionic environment and hormonal activation of phosphorylase in an insect. 5629

FATS

Biochemical correlates of respiratory and developmental changes in anoxic Tribolium confusum pupae. 5408

Fat as a factor in the epimerization of chlortetracycline in feeds. 7353

FATTENING

Experiments with fattening pigs on pasture. 6426

FATTY ACIDS

Fatty acid composition of limited use in aphid taxonomy. 5175

Fatty acid metabolism in D. melanogaster: Formation of palmitoleate. 5404

Synthesis of saturated long chain fatty acids from sodium acetate-1-C14 by Mycoplasma. 6772

Volatile fatty acids excreted by Fasciola hepatica, L.. 7006

FEATHERS

A redescription of Pteronyssoides tyrrelli (Canestrini, 1899). A feather mite from the tree swallow (Acari-Acariformes). 5241

FECES

Toxoplasma gondii: Fecal forms separated from eggs of the nematode Toxocara cati. 6582

Toxoplasma gondii: Transmission through feces in absence of Toxocara cati eggs. 6811

Thorny-headed worm infection in North American prehistoric man. 6974

FEED

Relation between DDT in diets of laying birds and viability of their eggs. 6431

Curvularin-containing animal feed for promoting growth and increasing feed efficiency. Patent 3,436,223. 6447

Observations on the causes of chronic bloating in young cattle. 6537

Further studies on avian biliary cirrhosis with particular reference to aetiology. 6590

On the mineral content of the Swiss meadow fodder and its relationship to herd sterility. 6616

Contribution to the traumatic splenitis and hepatitis in cattle. 6740

A histologic study of medullary bone of laying hens under different diet and housing conditions. 6789

Evaluation of several methods of isolating salmonellae from poultry litter and animal feedstuffs. 6836

Biochemistry of aflatoxins. 6846

Comparison of two procedures for detection of Salmonella in food, feed, and pharmaceutical products. 7056

The isolation of salmonellas from animal feedingstuffs. 7059

Salmonella in meat imported from South American countries. 7064

Accelerated procedure for Salmonella detection in dried foods and feeds involving only broth cultures and serological reactions. 7068

Enhanced metabolism of methyprylon, meprobamate, and chlordiazepoxide hydrochloride after chronic feeding of a low dietary level of DDT to male and female rats. 7152

Notice of filing of petition for food additives. 7157

Notice of withdrawal of petition for food additives dienestrol diacetate, amprolium, and penicillin. 7158

Notice of withdrawal of petition for food additives. 7178

Residues in the body fat of steers fed kelthane in their ration. (Abstract). 7192

Fat as a factor in the epimerization of chlortetracycline in feeds. 7353

FEED ADDITIVES

Effects of dimetridazole and antibiotics on growth and reproduction in turkeys. 6415

Growth, feed efficiency and gross chemical composition in market-weight pigs as influenced by a combination of synthetic sex hormones and tylosin. 6420

Animal health business thrives. 6499

Anticoagulant resistance. (Part 2). 6640

Anticoccidial activity of sulfadinethoxine potentiated mixture (Ro 5-0013) in chickens. 6726

The in vitro sensitivity of avian salmonella strains to 6 drugs. I. Investigation on 1024 strains isolated 1945-1958. 6808

Anti-microbial drugs in animal feeds. 6821

On the use of TEGO 51 in animal food industries--toxicity and bactericidal properties. 7067

Novobiocin for use in chicken and turkey feed. Drugs for veterinary use; drug efficacy study implementation. 7176

Use of antibiotics in animals. 7181

Medicated feeds: States responsibilities. 7421

FEED SUPPLEMENTS

Effect of the age of pollen used in pollen supplements on their nutritive value for the honeybee- Ii. Effect of vitamin content of pollens. 5347

Effect of the age of pollen used in pollen supplements on their nutritive value for the honeybee. I. Effect on thoracic weight, development of hypopharyngeal glands, and brood rearing. 5348

The significance of the manganese content in the hair of cattle. 6492

Abortion in cattle associated with the feeding of poultry litter. 6679

FEED TOXICITY

Johne's disease. II. The pathogenic agent, susceptible species and method of infection. 6549

Spontaneous and experimental aflatoxicosis of ducks. 6626

Variation in concentration and composition of toxic alkaloids among strains of Phalaris tyberisa L. 6750

An outbreak of male fern (Dryopteris filix-mas) poisoning. 6822

Applicability of mildew-infested wheat to feeding.- Short communication. 7214

FEEDING

A falling cage for sampling tsetse flies (Glossina; Diptera). 4974

A temperature-controlled feeding apparatus for hematophagous arthropods. 4975

Remarks on some larch-feeding Tortricids (Lepidoptera, Tortricidae). 5179

The physiology of mosquitoes. 5266

A note on the feeding mechanism of two fleas. 5283

Effect on aphid feeding of dietary methionine. 5479

Life-history and biology of Tabanus rubidus. 5610

A technique for feeding larval trombiculid mites on laboratory mice. 5748

Culex nigripalpus: Seasonal shift in the bird-mammal feeding ratio in a mosquito vector of human encephalitis. 5753

Feeding of Aulacophora foveicollis on cucurbitacin. 6253

The effects of DDT on a breeding population of the rufoussided towhee (Pipilo e. erythrophthalmus Linnaeus). 6418

Type C Botulism in a dove (Streptopelia roseogrisea bornuensis) from Ferlo (Senegal). 6557

Trichophytosis prophylaxis by feeding. 6770

Adaptation,culturing of R. sibirica in rabbit lice and preparation of a combined antigen for diagnosis of infection. 6783

FEEDING HABITS (INSECTS)

Synecological studies of soil macroentomofauna in two different agricultural biotopes. 5332

Identification of the host range of Culex tritaeniorhynchus mosquitoes on Okinawa, Ryukyu Islands. 5765

FEEDLOTS

Effects of ration energy level, vaccination, and antibiotics on feedlot performance of range lambs. 6795

Effects of gastrointestinal nematode parasites on performance in feedlot cattle. 6912

FELINE INFECTIOUS ENTERITIS

Chronic panleukopenia in cats. 6565

Bone marrow changes in the course of feline infectious enteritis (agranulocytosis). 6619

FENTHION

Observations on various treatments applied in Lebanon in 1966 against Ceratitis capitata Wied. 5392

Control of pasture Aedes mosquitoes by dripping larvicides into flowing water, with notes on residues in a pasture habitat. 5486

Carbamate and phosphate resistance in adult granary weevils. 5716

Control of anopheline species in the Canal Zone with ultra-low volume sprays of malathion and fenthion. 5759

Mosquito control and/or honey bees. 5769

Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen. 6150

Studies on a biological and a chemical method of controlling the dark rice field mosquito in Louisiana. (abstracts). 6168

Ecology of insect vectors, forecasting, and chemical control. 6205

FENURON

Microbial degradation of five substituted urea herbicides. 7276

FENUSA PUSILLA

How do native insect parasites behave in relation to imported insect hosts, alien to the native fauna 5695

FERBAM

Fungistatic and fungicidal effects of certain organic products on some fungi causing diseases in vegetables. 5899

A systemic fungicide effective against sour orange scab disease. 5957

FERMENTATION

Effect of the low temperature treatment of the wet culture Aspergillus oryzae 8F1 and germinated seed on the increase of the fermentation activity. 5848

Study on the immunogenicity of cocoa beans. 7024

Investigations concerning the microflora of isterband , a Swedish fermented type of sausage. 7062

(-)-pimaradiene: A new precursor of the gibberellins. 7337

Biosynthesis of gibberellic acid. A correction. 7338

Metabolism of DDT by rumen microorganisms in vitro. (Abstract). 7345

FERRETS

Clinical observation of experimental pseudorabies in mink and ferrets. 6600

FERTILITY

The hemlock sawfly in southeast Alaska. 5353

The influence of the duration of copulation on the fertility of the females of Acanthoscelides obtectus Say (Insecta Coleoptera). 5376

The influence of light and temperature variations on the behavior and fecundity of the larch-bud moth Zeiraphera diniana (Gn.) (Lepidoptera: Tortricidae). 5467

Selection for higher fitness in populations of Drosophila pseudoobscura.
5720

Fecundity, egg-size and hatchability in Drosophila melanogaster with an X-chromosome held unchanged.
5721

Weed control in nursery sod.
6371

The influence of streptococci on the genitals and fertility of thoroughbred mares.
6804

FERTILIZATION (PLANTS)
Fruit growing note of the season.
5778

Nitrogen increases bell pepper susceptibility to bacterial soft rot.
7309

FERTILIZER APPLICATION
TIBA fractures the soybean yield barrier.
5787

Maryland arborists discuss insect control.
6221

Chemical weed control in high yielding rice varieties.
6393

FERTILIZERS
Diptera larvae in soil treated with organic and mineral fertilizers. (I). Family Asilidae-Diptera-Brachycera.
5541

The sugar beet.
5791

Soil science and agricultural chemistry.
5805

Range recovery and production as influenced by nitrogen and 2,4-D treatments.
5826

Figs for commercial and home orchards in Louisiana.
5850

Kenaf promising as profit crop.
5851

Manures and fertilizers.
5853

Phosphorus, potassium, calcium and magnesium requirements of Maryland tobacco grown on Monmouth soil.
5880

Stem rot of oil palms in the Federal Experiment Station, Serdang.
6026

Zinc deficiency may limit maize yields.
6075

An observation on the influence of nitrogen fertilization on the attack of peas by powdery mildew (Erysiphe polygoni DC).
6131

Effect of virus on the rice plant.
6137

Maryland arborists discuss insect control.
6221

The economic importance of early weed control in cereals.
6354

Abortion in cattle associated with the feeding of poultry litter.
6679

Industrial fertilizers as herbicides seen in the light of new and old experiments.
7102

Effect of paraquat on the nitrogen content and regrowth of Coastal bermudagrass (Cynodon dactylon (L.) Pers.).
7219

Influence of magnesium and zinc fertilizing on the yield, quality as well as health of hops.
7266

The effect of trace elements on the yield and quality of camomile flowers and peppermint leaves.
7282

Studies on the molybdenum availability.Part III. An attempt to estimate the available molybdenum content in soils in connection with the plant test.
7287

Sulfur response of alfalfa in Western Montana.
7296

The influence of CCC on disease contraction of grain.
7322

FESTUCA
Observations on the causes of chronic bloating in young cattle.
6537

FIBER PLANTS
Mycological investigations on field retting of fiber flax, species and distribution.
5932

Tropical nematology.
6305

FIBRIN
Fibrinous colitis in pigs.
6745

FIBROSARCOMA
Establishment and characterization of a feline neurofibrosarcoma (FNFS) cell line.
6746

FIELD CROPS
Indications on plant care for olive crop cultivation.
6192

Insecticidal field treatments for the control of the European corn borer. Ostrinia nubilalis (Hubner) in Southwestern Quebec, 1967.
6193

Bloodworms- pests of rice.
6200

Application of herbicides in pulse crops.
6339

Cultural and chemical weed control in field crops, 1969.
6365

Weed control in field crops, 1969.
6366

1967 guide to chemical weed control.
6385

Influence of agrotechnical and chemical treatments on the changeableness of field plant associations.
6389

FIELD MICE
Practical organization of field mice control.
6403

Effect of range treatment with 2,4-D on rodent population.
6408

On the effect of Sevin on sexual functions of warm-blooded animals.
6439

FIGS
Figs for commercial and home orchards in Louisiana.
5850

Figs (Ficus spp.) and fig-wasps (Chalcidoidea).
6190

FILARIASIS
Histopathology of parafilariasis in mules.
6932

Canine filariasis on Okinawa, Ryukyu Islands.
6988

FILTERS
Characterization of bovine viral diarrhea viruses. II. Ultrafiltration properties of different strains after various treatments.
6572

Characterization of bovine viral diarrhea viruses. III. Partial purification by agar gel filtration.
6573

FIRE BLIGHT
Home fruit spray guide.
5959

FISH
Bioassay of captan by zebrafish larvae.
7082

In vitro degradation of DDT by intestinal contents of Atlantic salmon (Salmo salar).
7096

Chlorinated hydrocarbons and eggshell changes in raptorial and fish-eating birds.
7108

Effects of forest spraying with DDT in New Brunswick on food of young Atlantic salmon.
7111

Fish losses after forest sprayings with insecticides in New Brunswick, 1952-62, as shown by caged specimens and other observations.
7112

Hematological effects of apholate on channel catfish (Ictalurus punctatus).
7156

Ammonia poisoning in carp. 3. The oxygen content as a factor influencing the toxic limit of ammonia.
7208

FISHERIES
Fish and Wildlife Act of 1956 as amended; an excerpt from title 16 of the United States Code.
7420

FLAG SMUT
Experiments on the control of cereal smuts with a derivative of 1,4-oxathiin.
5987

FLAGELLA
The cheliceral flagellum of pseudoscorpions.
5231

Some observations on flagellate parasites of hemipterans Corimelaena, Euschistus, Gerris, Leptocoris and Oncopeltus in the United States.
5444

FLAVONES
Flavone composition, flowering, and hypersensitivity to virus in vegetables.
7281

FLAX
Hot-water treatment of seed as a method for decreasing the incidence of certain cotton and flax seedling diseases.
5857

Mycological investigations on field retting of fiber flax, species and distribution.
5932

Response of flax to postemergence herbicides.
7314

FLAXSEED
Insecticide control of Heliothis punctigera Wallengr. II. Linseed crop, 1961.
6159

FLIGHT ACTIVITY
Observations in Kenya on the flight activity of stored products insects, particularly Sitophilus zeamais Motsch.
5327

FLOODS
These weeds mean trouble.
7042

FLOUR
Thermobia domestica (Packard 1873).
5673

New possibilities of pest control in mills and flour storages by DDVP chemicals.
7035

Salmonella control programs: Baking industry.
7049

FLOWERING
Flavone composition, flowering, and hypersensitivity to virus in vegetables.
7281

FLOWERS
The weed vegetation of flower beds and irrigated cultivations in Cairo and some adjacent provinces.
5837

FLOXURIDINE
An autoradiographic and immunofluorescent study of the infectious cycle of sheeppox virus in cell cultures exposed to 5-fluorodeoxyuridine.
6855

FLUORESCENCE

The sexual difference in the silk worm cocoons relative to the optical properties. 2. Fluorescent spectro-characteristics of cocoons. 4973

Clostridium septicum infection in a broiler flock. 6622

Comparative study of the Aujeszky virus and of the herpes simplex virus by the immunofluorescence method. II. Kinetic study of the herpes simplex virus by the immunofluorescence method. 6843

A comparison of new techniques for the detection and determination of triazine herbicides separated by thin-layer chromatography. III. Fluorescence quenching. 7343

FLUORESCENCE MICROSCOPY

The cellular site of virus replication in the intestine of chicks infected with an avian adenovirus. 6522

FLUORESCENT ANTIBODY TECHNIC

Development of virus antigen in tissues of Pieris brassicae inoculated with Tipula iridescent virus. 5534

Immuno-fluorescent study of antibody formation in immunization of guinea pigs with a live brucella culture. 6478

Immunofluorescent and immunophoretic data on antigenic properties of Candida albicans. 6490

Immunofluorescence identidication of Mycoplasma on agar by use of incident illumination. 6545

The detection of the ECPO virus antigen in tissue culture with the aid of fluorescent antibodies. 6681

Studies on the fluorescent and neutralizing antibodies to bluetongue virus in sheep. 6766

The olfactory bulb lesion in the hibernating squirrel (Citellus lateralis) infected with coxsackievirus B-3. II. Immunological study. 6816

Homocytotropic antibody response in mice infected with Schistosoma mansoni: Comparasion with the response following Trichinella spiralis infection. 6979

FLUORESCENT SUBSTANCES

Immuno-fluorescent study of antibody formation in immunization of guinea pigs with a live brucella culture. 6478

FLUORINE

The carbon-fluorine bond in compounds of biological interest. 7348

FLUOROOROTIC ACID, 5-

Chemosterilization of the two-spotted spider mite. I. Effect of chemosterilants on the biology of the mite. II. Histopathological effect of apholate and 5-fluorouracil on the reproductive organs. 5390

Chemosterilization of the two-spotted spider mite. IV. Effect on population. 5391

Chemosterilization of the two-spotted spider mite. III. Effect on host plant. 7252

FLUOROSIS

Fluorosis in cattle and sheep, observed around industrial plants in Bulgaria. 7205

FLUOROURACIL, 5-

Chemosterilization of the two-spotted spider mite. I. Effect of chemosterilants on the biology of the mite. II. Histopathological effect of apholate and 5-fluorouracil on the reproductive organs. 5390

Chemosterilization of the two-spotted spider mite. IV. Effect on population. 5391

Chemosterilization of the two-spotted spider mite. III. Effect on host plant. 7252

FOG

Theoretical and practical aspects of room spraying. 7401

FOLIAR APPLICATION

Recent trends in disease control in coffee. 6099

The use of herbicides for site preparation and their effects on tree survival. 6369

Foliar penetration of plant growth substances with special reference to binding by cuticular surfaces of pear leaves. 7230

FOLPET

Fungistatic and fungicidal effects of certain organic products on some fungi causing diseases in vegetables. 5899

Dogwood diseases. 5944

FOMES

Stem rot of oil palms in the Federal Experiment Station, Serdang. 6026

FOMES ANNOSUS

Spread of Fomes annosus root rot in thinned shortleadf pine plantations. 5873

Borax and control of stump infection by Fomes annosus in western hemlock. 5920

The action of calcium cyanamide on the development of some basidiomycetes of wood. 5941

FOOD

Breeding Lysandra coridon ab. syngrapha. 5445

Do small mammals and birds affect reproduction of spruce and fir . 6406

Organochlorine insecticide residues in complete prepared meals: A 12-month survey in S. E. England. (abstract). 7121

FOOD ADDITIVES

Curvularin-containing animal feed for promoting growth and increasing feed efficiency. Patent 3,436,223. 6447

Studies on Salmonella infection among rabbits in the U. A. R. 6479

Notice of filing of petition for food additives. 7157

Notice of withdrawal of petition for food additives dienestrol diacetate, amprolium, and penicillin. 7158

Notice of withdrawal of petition for food additives. 7178

Carotenoid compounds. Patent 3,446,801. 7335

FOOD ANALYSIS

Investigations concerning the microflora of isterband , a Swedish fermented type of sausage. 7062

Pesticide residues; history, alternatives and analysis. 7138

Juice quality of grapefruit following June versus September applications of a 412 paraffinic petroleum oil with data on control of certain pests. 7238

FOOD CONTAMINATION

The effect of mastitis on the freezing-point of cows' milk. king, j o l. 6451

A study of the relationship between the serological Salmonella types isolated from humans and from foodstuffs. 6774

Mass appearance at Brussels of Sitotroga cerealella Ol. (Gelechiidae). 7036

Interaction of salt, pH, and temperature on the growth and survival of Salmonellae in ground pork. 7047

Further studies on the screening technique for determining Salmonella-negative samples of pasteurized dried egg. 7048

Salmonella control programs: Baking industry. 7049

The pigmented coliforms of dehydrated food. 7051

Note on a microbiological assay for aflatoxin B,: A rapid confirmatory test by effects on growth of Bacillus megaterium. 7052

Rapid confirmatory test for aflatoxin B, using Bacillus megaterium. 7053

Investigations into the source of bacterial contamination of pork. II. In steaming. 7054

Low temperature growth of type E Clostridium botulinum spores. 1. Effects of sodium chloride, sodium nitrite and pH. 2. Effects of solutes and incubation temperature. 7055

Comparison of two procedures for detection of Salmonella in food, feed, and pharmaceutical products. 7056

Heat resistance of Salmonella in various egg products. 7057

Gas chromatographic analysis of head-space vapors to identify micro-organisms in foods. 7058

The isolation of salmonellas from animal feedingstuffs. 7059

On the biochemical activity of microorganisms in the process of meat degradation. 7060

Investigations concerning the microflora of isterband , a Swedish fermented type of sausage. 7062

Production of enterotoxin-B in cured meats. genigeorgis, c. 7063

Salmonella in meat imported from South American countries. 7064

Action of microorganisms on the peroxides and carbonyls of fresh lard. 7066

Accelerated procedure for Salmonella detection in dried foods and feeds involving only broth cultures and serological reactions. 7068

Causes of can swelling and blackening of canned baby clams. 3. Bacteriology and chemistry of sea-bottom mud involved in can spoilage. 7069

Experience with a shorter extraction procedure for insecticide residues from liquid milk products. 7114

Pesticide residues. 7135

Distribution of Strontium 90 and Cesium 137 in dairy products in the processing of ewe's milk. 2. In white brined cheese. 7140

Clinical and laboratory notes on parathion poisoning in fowl, screening availabilities in meat and various tests. 7196

Reduction in aflatoxin contamination of rice by milling procedures.
7200

FOOD HABITS
Long-term regulation of sugar intake by the blowfly.
5322

Artificial diet for cecropia and other saturniid silkworms.
5560

Physiological studies on the digestion of coccinellid beetles (Coleoptera: Coccinellidae), with special reference to their food habits.
5579

Feeding mechanism of a fruit-sucking moth Othreis materna (Lepidoptera: Noctuidae).
5623

Aphidofauna of honey plants as a source of subsidiary hosts of aphidiid wasps (Hymenoptera, Aphidiidae).
5628

Biology of Dufourea and of its cleptoparasite, Neopasites (Hymenoptera: Apoidea).
5646

Generalities on the white potato grub Premnotrypes vorax (Hustache).
6282

FOOD INSPECTION
Sanitary legislation in France concerning animal salmonellosis.
6417

FOOD PLANTS
A new foodplant for Euphydryas phaeton (Nymphalidae).
5487

Foodplants of Callophrys (Incisalia) iroides.
5536

The weed vegetation of flower beds and irrigated cultivations in Cairo and some adjacent provinces.
5837

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agriculture commodities. DDT.
7106

FOOD POISONING
Evolution of botulism. V. Evolution of pathogenic propertis of Cl. botulinum.
6505

Salmonella food poisoning associated with imported canned meat.
7050

Common poisonous plants in home and grounds.
7161

FOOD PROCESSING
Distribution of Strontium 90 and Cesium 137 in dairy products in the processing of ewe's milk. 2. In white brined cheese.
7140

Reduction in aflatoxin contamination of rice by milling procedures.
7200

FOOD SANITATION
Studies of tuberculosis in hens as a problem of food hygiene.
6493

FOOD SUPPLY
Effects of forest spraying with DDT in New Brunswick on food of young Atlantic salmon.
7111

FOOT ROT
Fusariosis of the legume crops in Lithuania. 3. Main forms of lupine fusariosis and its distribution.
6065

Retention and transformation of anhydrous ammonia in soil and effects on foot rot Fusaria.
6088

Field observations on parenteral antibiotic treatment of ovine foot-rot.
6613

FOOT ROT (ANIMALS)
Victoria's footrot control area.
6470

Parenteral chemotherapy of ovine foot-rot.
6561

FOOT-AND-MOUTH DISEASE
Microscopic skin lesions in cattle with foot-and-mouth disease.
6587

Foot-and-mouth disease in England.
6721

The increase of the incidence of foot-and-mouth disease in the state of Sao Paulo in 1966.
6768

FOOT-AND-MOUTH DISEASE VIRUS
Urine pH changes in cattle infected with foot-and-mouthdisease virus.
6535

Remarks on the receptivity of new born lambs towards the foot-and-mouth disease virus.
6649

FORAGE PLANTS
Breeding and management of forage crops in the Eastern Plains.
5797

Range recovery and production as influenced by nitrogen and 2,4-D treatments.
5826

1969 insect control guide for Colorado. I. Cereal crops, field crops, forage crops, stored grain.
6182

Competition between burroweed and annual and perennial grasses for soil moisture.
6328

FOREIGN BODIES
Contribution to the traumatic splenitis and hepatitis in cattle.
6740

FOREIGN TRADE
No serious problem with pesticide residues.
7089

Pesticide residues - USDA'S position.
7139

Commodity notes. Pesticides.
7406

Production and sales of pesticides show increase.
7409

We lose 06 million a year through damage to hides - are you at fault.
7415

Many problems in teaching pest control to Indonesians.
7418

FOREST CONSERVATION
'miracle' tree is in trouble.
6301

FOREST CUTTING SYSTEMS
The clearing of underbrush and the destruction of undesireable vegetation in the forest. Inventory of materials and techniques.
5800

FOREST INSECTS
Soviet entomology during the period 1917-1967. (JPRS 43,647) Transl. 16962.
4966

Division of Entomology Annual Report, 1966-67.
4968

A summary of forest and shade tree insect-disease conditions for Maine 1967.
4979

Contribution to the study of Aphididae (Hom) of the French forests.
5087

Field test of lindane against overwintering broods of the western pine beetle.
5094

On some Scolytidae and Platypodidae of economic importance from the territory of Papua and New Guinea. 250. Contribution to the morphology and taxonomy of the Scolytoidea).
5142

Analysis of bark beetle mortality in spruce forests in Poland.
5205

On the theoretical concept of self-extinction of bark beetles. (TT 68-50402)
5515

Seasonal development and habits of Pseudopityophthorus spp. (Coleoptera: Scolytidae) in southern Ohio.
5557

Life history, habits, and damage of Chrysobothris orono (Coleoptera: Buprestidae) on red pine in Michigan.
5680

Report on forest research for the year ended March 1968.
5845

The use of insecticides in the Swedish forestry.
6213

Concerning the problem of controlling the occurence, as well as estimating the degree of infestation of tree stands by Ips typographus L.
6263

The amount of foliage consumed or destroyed by laboratory-reared larvae of the black-headed budworm, Acleris variana.
6272

FOREST MANAGEMENT
The clearing of underbrush and the destruction of undesireable vegetation in the forest. Inventory of materials and techniques.
5800

Report on forest research for the year ended March 1968.
5845

Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary.
7113

FOREST NURSERIES
Report on forest research for the year ended March 1968.
5845

'miracle' tree is in trouble.
6301

FOREST SOILS
The effect of magnesium on the growth of lucerne, grown on grey forest soils.
7228

FOREST SURVEYS
Estimated Fraser fir mortality and balsam woolly aphid infestation trend using aerial color photography.
6144

FORESTRY
Report on forest research for the year ended March 1968.
5845

FORESTS
The clearing of underbrush and the destruction of undesireable vegetation in the forest. Inventory of materials and techniques.
5800

Forest disease control in California; July 1, 1966 to June 30, 1967. aSB761.A3.
6117

FORFICULIDAE
Genera and species of Dermaptera (9) Opisthocosminae (Forficulidae).
5123

FORMALDEHYDE
A new disease of bananas in the Cauca Valley: a bacteriosis.
5999

Influence of fixation on gross morphology of Mycoplasma.
6786

FORMAMIDE
Method of facilitating harvest of mature plants. Patent 3,447,919.
7386

FORMATES
Biosynthesis of furanocoumarins in diseased celery.
5929

FORMIC ACID
The alarm-defence system of the ant Acanthomyops claviger. 5553

FORMICA FUSCA
Odour similarities between the slave-keeping ants Formica sanguinea and Polyergus rufescens and their slaves Formica fusca and Formica rufibarbis. 4965

FORMICIDAE
Odour similarities between the slave-keeping ants Formica sanguinea and Polyergus rufescens and their slaves Formica fusca and Formica rufibarbis. 4965
New species of Pheidole from Pacific Coast Islands (Hymenoptera: Formicidae). 5050
Ants in the home and garden; how to control them. 5184
Insect venoms, attractants, and repellents. XI. Massoilactone from two species of formicine ants, and some observations on constituents of the bark oil of Cryptocarya massoia. 5257
Australia's honeypot ants. 5312
Contribution to the physiology of the guest-host-relations (myrmecophily) in ants. I. The relation between the myrmecophilic Atemeles- and Lomechusa-larvae and Formica. 5369
Anatea, an ant-mimicking Theridiid spider from New Caledonia (Araneae: Theridiidae). 5555
Optical orientation mechanisms in the homing behavior of Cataglyphis bicolor Fab. (Formicidae, Hymenoptera). 5671
The epizootiology of dicroceliosis in the province of Leon. 6967

FORMOTHION
Observations on various treatments applied in Lebanon in 1966 against Ceratitis capitata Wied. 5392

FORMULATIONS
Insecticidal and acaricidal effect of some binary mixtures. 5627
Unique problems in insect and pest control of NASA's Mississippi Test Facility. 5755
Control of some pests of evergreens. 6162
Study of the control of Antonina graminis (Maskell)--curse of hay (Digitaria pentzii) with granular systemic insecticides. 6175
Controlling weeds in turf. 6387
The effect of the dose and method of using herbicide A-1802 and cultivation measures on weediness and yield of corn. 7269

FORMYLQUINOXALINE-1,4-DIOXIDE, 2-
Schiff bases of 2-formylquinoxaline-1,4-dioxides as growth promoters and systemic and non-systemic infection control agents in animals. Patent 3,433,871. 6650

FOWL CHOLERA
The role of Argas persicus in epizootic poultry cholera. 6893

FOWL TYPHOID
The use of an avian polyvalent vaccine in central Africa. 6780

FOWLPOX
A new fowl pox vaccine. 6467
The use of an avian polyvalent vaccine in central Africa. 6780
Fowl pox inclusion-body formation in skin epithelium of chicks. 6817

FOXES
Studies on the effectiveness of fox den fumigation for rabies control in the district of Wolgast. 6696
The guilty fox. 6977

FRACTIONATION
Cross interaction between different components of two strains of alfalfa mosaic virus. 6004

FREEZE DRYING
A simplified method of freeze-drying caterpillars. 4969

FREEZING
Effects of freezing on African horse-sickness virus. 6754

FREON
Synergistic toxicity and carcinogenicity of 'freons' and piperonyl butoxide. 7160

FRUCTOSE
Long-term regulation of sugar intake by the blowfly. 5322

FRUIT
Integrated control of fruit tree pests. Orchard mites. Orchard insects. 5292
1969 fruit spraying recommendations for commercial growers. 5802
Man insects and pesticides. 5817
Horticulture. 5825
Figs for commercial and home orchards in Louisiana. 5850
Results of insecticide and fungicide tests, carried out in 1966, by the Vegetable Protection Service. 5879
Home fruit spray guide. 5959
Diseases of fruits and vegetables. 6050
A chemotherapeutic treatment for selectively eradicating crown gall and olive knot neoplasms. 6071
Chemical control of codling moth with DDT and sevin, the resistance problem of codling moth to DDT and additional observations on the effect of fruit thinning of sevin. 6195
San Jose scale (Quadraspidiotus perniciosus). 6199
Gypsy moth (Oeneria dispar) control in the roadside plantations. Transl. 17032. 6209
The oriental fruit moth and its control. 6223
Capsid bugs on fruit. 6225
Fruit spray program for the home orchardist. 6257
A nematological study of some cultivations on the south coast of Spain. 6294
New contributions to the subject 'birds and agriculture'. 6411
Sensitivity of stored melon fruit fungi to gamma irradiation. 7025
Toxicology of plant protection preparations. Tolerance limits for toxic residues. 7127
Gibberellin and growth in stone fruits: Induction of parthenocarpy in plum. 7251

FRUIT CULTURE
Integrated insect control - a payoff from research. 5435
Rational pesticide application. 5614
Fruit growing note of the season. 5778
Some observations and comments on stem-pitting of peach, its control and a nursery improvement program. 5782
The present and future situation of peach culture in Ferrara. 5789
1969 fruit spraying calendar, for commercial fruit growers. 5804
Pesticide application for fruit trees at the of winter and in the spring. 5820
Plant protection. Bulletin of the plant protection station of Geneva. January. 5844
Plant protection. Bulletin of the plant protection station of Geneva. 6094
1969 tree fruit spray guide. 6183
Results of herbicide tests carried out in 1966 by the Vegetable Protection Service. 6326
1967 guide to chemical weed control. 6385

FRUIT NURSERIES
Nursery stock, plants, and seeds. Foreign nurseries certified as producing specified disease-free material. 5803

FRUIT SETTING
Effect of Bordeaux Mixture spray on fruit set in coffee (Coffea arabica L.). 7283

FRUIT TREES
Hard to kill pests of fruit trees - woolly apple-aphid. 5195
Preliminary considerations on the study of resistance of fruit trees to silver-leaf disease. 5950

FUEL OIL
Control of some pests of evergreens. 6162

FULGOROIDEA
The presence of a differentiated cytoplasmic zone around the nuclei in the cells of the middle intestine of Cixius nervosus L. (Homoptera, Fulgoroidea). 5335

FUMIGANTS
Concerning a mass population increase of the false pine webworm, Acantholyda erythrocephala Chr. in Steinfeld, Lower austria, in the years 1964-1967. Preliminary communication. 6196
Cotton and plant parasitic nematodes. 6298
The effect of three fumigants on natural weed infestation in a tobacco seed bed. 6337
Fumigate stored rice to reduce loss to insects. 7030
Pest control's 1969 directory of pesticides. 7403

FUMIGATION
Public health pesticides. 5764

Cotton and plant parasitic nematodes. 6298

The biology and control of the rice field mole rat of Ceylon, Gonomys cracilis (Nehring). 6405

Studies on the effectiveness of fox den fumigation for rabies control in the district of Wolgast. 6696

FUNGI

Suitability of pathogens for biological control. 5452

The mass production of Beauveria bassiana. 5538

Research on the disease due to Metarrhizium anisopliae, in the migratory locust. 5664

Pesticidal use of benzothiophenes and benzothienothiophenes. Patent 3,433,874. 5792

The developing ascospore wall of Hypoxylon fragiforme. 5794

Virus enhancement with a growth product of Streptomyces scabies. I. Production and properties of scaben. 5810

Virus enhancement with a growth product of Streptomyces scabies. II. Increased release of coxsackievirus B5 from hEp-2 monolayers treated with scaben. 5811

A modified soil percolator for zoospore production and infection in studies on zoosporic root pathogens. 5868

Peanut pod invasion by fungi in the presence of lesion nematodes in Georgia. 5974

On the significance of the Lygus species as a plant pest. 6154

Catenaria vermicola on nematodes in India. 6304

Roeckl granuloma with an excessively testicular localization. 6571

Yeasts and yeast-like fungi in the genital organs of cows and heifers. V. Genital candidiasis and abortions caused by yeasts belonging to the genera Candida, Trichosporon and Saccharomyces. 6608

Studies on stored grain fungi. Part I.--Fungi from wheat and rice from Karachi. 7026

Oxygen and carbon dioxide affect the growth of wood-decaying fungi. 7027

Stored grain insects as carrier of fungi. 7034

Antifungal action of a phosphate ester pesticide, O-Mchlorophenyl O,O-dimethyl phosphorothioate, used in nutrient media for fungi. (abstract). 7175

Influence of atrazine and varied carbon and nitrogen amendments on growth of Sclerotium rolfsii and Trichoderma viride in soil. 7236

Fungal polysaccharide composition and method for making same. Patent 3,436,311. 7244

Retardation of the elaboration of aflatoxin in cottonseed by impermeability of the seedcoats. 7268

FUNGI DISSEMINATION

Splash dispersal of fungus spores and fungicides in the laboratory and greenhouse. 5799

FUNGICIDE RESISTANT FUNGI

Comparative susceptibility of Aspergillus towards various fungicides and antiseptics. 7226

FUNGICIDES

Simultaneously effective anti-fungal and insecticidal or acaricidal pesticides. Patent 3,450,818. 5527

Occurrence of antimicrobial substance in the exudate of physogastric queen termite Termes repemanni Wasmann. 5582

Pesticide use. 5779

Splash dispersal of fungus spores and fungicides in the laboratory and greenhouse. 5799

1969 fruit spraying calendar, for commercial fruit growers. 5804

Growing vegetables in South Dakota. 5832

Pests and diseases of arecanut. 5841

Plant protection. Bulletin of the plant protection station of Geneva. January. 5844

Arsenal for disease control. 5864

Results of insecticide and fungicide tests, carried out in 1966, by the Vegetable Protection Service. 5879

Fungicides and turf disease control - 1964. 5883

Controlling insects and diseases on trees. 5897

Fungistatic and fungicidal effects of certain organic products on some fungi causing diseases in vegetables. 5899

Effect of 6-azauracil against apple powdery mildew and apple scab. 5909

The occurrence of some previously unreported diseases of potatoes in Mexico. 5910

Chemicals for control of cabbage clubroot - Plasmodiophora brassicae Wor. IV. Effect on the pathogen. 5915

The action of calcium cyanamide on the development of some basidiomycetes of wood. 5941

Dogwood diseases. 5944

A systemic fungicide effective against sour orange scab disease. 5957

Home fruit spray guide. 5959

Progress through research- blue mould of tobacco. 5960

Fungicides for arabica coffee. VIII--PRELIMINARY relationships among some new fungicides, leaf rust (Hemileia vastatrix) and leaf fall. 5964

Controlling diseases of dwarf wheats. 5980

Field evaluation of a derivative of 1,4-oxathiin for control of cereal smuts. 5986

Experiments on the control of cereal smuts with a derivative of 1,4-oxathiin. 5987

Trends in disease. 6000

Fungicides for gladiolus corms. 6002

Peach leaf curl. 6006

Investigation of means for the chemical control of basal rot (Phytophthora capsici Leon.) of pepper. 6010

Suitability of several fungicides for treating soil infested with Phytophthora cactorum to prevent crown rot disease of apple trees. 6012

Betel's wilt disease can be kept under control. 6025

Botrytis flower spot control in orchids. 6037

Mycological techniques in plant pathology. 6044

Diseases of fruits and vegetables. 6050

Spraying trials against Sclerotinia diseases of plums on flowers and fruits. 6053

Plant insect and disease control in Peru. 6061

Effect and compatibility of nutrient sprays with insecticides and fungicides for groundnut (A. hypogea). 6063

Research on sap infections. 6070

Protection of vineyards from plant diseases. 6087

Plant protection. Bulletin of the plant protection station of Geneva. 6094

Ergot disease of bajra--its symptoms and control. 6100

Septoria spot on grapefruit in Southern California. 6101

Fusarium foot-and-stem disease of the carnation. 6127

Disease control. 6138

Insects and diseases of vegetables in the home garden. 6242

On antibiotic-antimycotic therapy in cattle mastitis. 6802

Studies on stored grain fungi. Part I.--Fungi from wheat and rice from Karachi. 7026

Bioassay of captan by zebrafish larvae. 7082

Borax and boric acid. Proposed establishment of pesticide tolerance. 7116

Treatment of topical fungus infections with dichlorodiphenyltrichloroethane. Patent 3,389,049. 7163

Economic poisons containing certain pesticide chemicals for certain uses. Cancellation of registration. 7170

Antifungal action of a phosphate ester pesticide, O-Mchlorophenyl O,O-dimethyl phosphorothioate, used in nutrient media for fungi. (abstract). 7175

Comparative susceptibility of Aspergillus towards various fungicides and antiseptics. 7226

Accustoming of fungi-antagonists to cotton rhizosphere and their effects on cotton productivity and disease with verticillium wilt. 7247

Effects of fungicide drenches on established poinsettia plants. 7267

Effect of Bordeaux Mixture spray on fruit set in coffee (Coffea arabica L.). 7283

Testing of fungicides as to their effectiveness against Botrytis cinerea with the aid of a grape juice test. 7320

Fungicidal compositions and methods using mesomeric phosphonium compounds. Patent 3,445,570. 7329

Tri(C8-C10 alkyl) m- and p-nitrobenzyl quaternary ammonium halides. Patent 3,446,844. 7333

Producing alkyllead halide. Patent 3,439,012. 7351

Novel substituted 1,2,4-triazoles(4H). Patent 3,444,162. 7352

Dimethyl fluoride-substituted methylene bisphenol germicides and fungicides. Patent 3,341,343. 7376

Production and sales of pesticides show increase. 7409

We lose 06 million a year through damage to hides - are you at fault. 7415

Agricultural and horticultural fungicides-past, present, and future. 7416

FUNGUS CULTURES

The mass production of Beauveria bassiana. 5538

Pectic and cellulolytic enzymes produced by Mycosphaerella citrullina and their relation to black rot of squash. 5903

Studies on aecial development in rust fungi: Puccinia polliniae. 6082

Fluctuations in natural soil populations of Verticillium tricorpus. 6106

Saprophytic development of the flax rust Melampsora lini, race No. 3. 6115

FUNGUS DISEASES (ANIMALS)

On the granular dermatitis in horses which contains a kind of true fungus in the foci II. 6460

Aspergillus flavus meningo-encephalitis in chickens and geese. 6476

Immunofluorescent and immunophoretic data on antigenic properties of Candida albicans. 6490

Actinomycosis of mandible gingivae. 6494

A new antibiotic: Gentamicin sulphate in Pseudomoniasis by Pseudomonas aeruginosa in Chinchilla laniger. 6570

Four cases of systemic mycosis in cervids. 6577

Fungal flora of the avian respiratory tract. 6591

Resistance of vaccinated mice to typical and atypical strains of Coccidioides immitis. 6635

The histopathology of actinomycosis. 6705

Table of human infections. In: Diseases of man acquired from his pets. 7146

FUNGUS DISEASES (INSECTS)

The possibilities of the microbiological control of Melolontha melolontha L. by means of the mycosis caused by Beauveria tenella (Delacr.) Siemaszko. 5304

Infection rate of Culex pipiens L. mosquitoes with parasitizing fungus Entomophthora conglomerata Sorok. in the vicinity of Novocherkassk. 5382

Induced virescent-bud mutation in Gossypium hirsutum. 5420

Diagnosis of the diseases of insects. 5455

An Enterobryus (Trichomycetes, Eccrinales) in a milliped. 5544

Some effects of Metarrhizium anisopliae and its toxins on mosquito larvae. 5564

FUNGUS DISEASES (PLANTS)

A new species of Epuraea associated with eastern gall rust (Coleoptera: Nitioulidae). 5066

The present and future situation of peach culture in Ferrara. 5789

Encyclopedia of phyto-sanitary treatments of grapes in Champagne. 5795

Breeding and management of forage crops in the Eastern Plains. 5797

Report on experiments with varieties of medium early to late potatoes for human consumption and industrial use 1964-1966 (series 46). 5806

Diseases and pests of coconut in Kerala. 5814

Pesticide application for fruit trees at the of winter and in the spring. 5820

Breeding potatoes for resistance to wart and golden nematode. 5828

Growing vegetables in South Dakota. 5832

A biochemical mechanism of natural resistance of apple to Venturia inaequalis. 5834

Pests and diseases of arecanut. 5841

Plant protection. Bulletin of the plant protection station of Geneva. January. 5844

Quantitative genetic estimates for brown spot resistance in corn. 5846

Control of smut on sugarcane. Regulation of varieties of sugarcane which can be cultivated in the state of Sao Paulo. 5854

Helminthosporium solani. 5855

Hot-water treatment of seed as a method for decreasing the incidence of certain cotton and flax seedling diseases. 5857

The germination of conidia and the appressoriun formation of Alternaria porri on the surface of onion leaves. 5860

Occurence and host range of Ascochyta phaseolorum in Queensland. 5862

Arsenal for disease control. 5864

Black spots of apples: A warning service for fruitgrowers. 5865

Anthracnose resistance in anthurium. 5866

Physiological studies on Phoma betae Frank and Rhizoctonia solani(Prill and Delacr.) Bourd and Galz which cause damping-off and root diseases of sugar beet in Egypt. 5867

Phoma destructiva, its variability, host range and varietal reaction of tomatoes. 5869

Erysiphaceae (Mycophyta) in the nature preserve of Cheile Turzii. 5871

Influence of soil temperature on the development of pea root rot. 5872

Spread of Fomes annosus root rot in thinned shortleadf pine plantations. 5873

Results of tests of wheat varieties as to their resistance against grain diseases, carried out in the reclaimed land of the North East between 1961 and 1964. 5875

Results from the International Septoria assortment in 1966. 5876

Apple scab, pecan scab, and the duration of leaf wetness. 5878

Results of insecticide and fungicide tests, carried out in 1966, by the Vegetable Protection Service. 5879

Collected papers on cereal diseases. (Septoria, Fusarium, yellow rust). 5881

Snapdragon rust. 5882

A new needle disease of hard pines in Oregon and California. 5884

Anthracnose in beans:Determination and variations in the malonic acid content in the different parts of healthy and parasitized plants. 5886

Bibliography of soybean diseases. 5888

Saprophytic survival of Ophiobolus graminis on various hosts. 5889

Mechanisms of pathogenesis in Sclerotium bataticola on sunflowers. 1. Production and translocation of a necrosisinducing toxin. 5890

Changes in amino-acid content of Amaranthus tricolor leaves infected with Alternaria sp.. 5891

Elytroderma disease of ponderosa pine (Pinus ponderosa) in the Pacific Northwest. 5893

Hosts and geographic distribution of Scirrhia pini--the cause of red band needle blight in California. 5895

A study of factors influencing the genetics of reaction of barley to root rot caused by Helminthosporium sativum. 5896

Controlling insects and diseases on trees. 5897

Fungistatic and fungicidal effects of certain organic products on some fungi causing diseases in vegetables. 5899

Contribution to the knowledge of the mycoflora of the Apus mountains. 5900

The occurrence of wilt in watermelon in the state of Sao Paulo. 5901

New developments in the treatment of bananas before packing. 5902

Pectic and cellulolytic enzymes produced by Mycosphaerella citrullina and their relation to black rot of squash. 5903

Botran used as an orchard spray vs. Botran in the hydrocooler and control of post-harvest decay of peaches. 5904

Diseases of the seed potato; how to recognize them before planting. 5905

Mobilization factors in uredospores and bean leaves infected with bean rust fungus. 5908

Effect of 6-azauracil against apple powdery mildew and apple scab. 5909

The occurrence of some previously unreported diseases of potatoes in Mexico. 5910

Potato early blight and storage rot. 5911

Chemicals for control of cabbage clubroot - Plasmodiophora brassicae Wor. IV. Effect on the pathogen. 5915

Interactions of Oospora pustulans, Rhizoctonia solani and Heterodera rostochiensis on the potato. 5917

Borax and control of stump infection by Fomes annosus in western hemlock. 5920

Factors affecting infection of balsam fir (Abies balsamea) by Stereum sanguinolentum in Quebec. 5924

Breeding for Septoria and Fusarium resistance in wheat. 5925

Italian beet culture. The diseases: Fungi and viruses. 5926

Studies on the application of the Castellani method of preserving plant pathogenic fungi. 5927

Biosynthesis of furanocoumarins in diseased celery. 5929

Verticillium wilt of groundnut in Israel: Screening for varietal resistance. 5931

Mycological investigations on field retting of fiber flax, species and distribution. 5932

The possibility of estimating loose smut in a seed lot of barley with regard to the increase from one generation to the next. 5934

The occurrence and observation of Puccinia striiformis in the State of Washington. 5935

Potebniamyces (Phacidiella) disease of the true firs in British Columbia. 5936

Poor stands of corn and reduction of root growth caused by Fusarium moniliforme. 5937

Identification of races of Piricularia oryzae in Colombia. 5939

The action of calcium cyanamide on the development of some basidiomycetes of wood. 5941

Dogwood diseases. 5944

Butt rot in yellow-poplar seedling-sprout stands. 5947

Studies on Stereum sanguinolentum in Kenya pine plantations. 5948

Preliminary considerations on the study of resistance of fruit trees to silver-leaf disease. 5950

Growth of the rust fungus Cronartium ribicola in tissue cultures of Pinus monticola. 5952

The inheritance of resistance to powdery mildew in the cantaloupe variety seminole. 5953

Studies on the control of the anthracnose of Acacia dealbata caused by Glomerella cingulata Stonem. 5954

Factors influencing disease development of putting green turf. 5956

A systemic fungicide effective against sour orange scab disease. 5957

Wheat and stem rust - specialist advice. 5958

Progress through research- blue mould of tobacco. 5960

Studies with two systemic fungicides, benlate and thiabendazole. 5962

Fungicides for arabica coffee. VIII--PRELIMINARY relationships among some new fungicides, leaf rust (Hemileia vastatrix) and leaf fall. 5964

The stripe smut problem in Merion Bluegrass. 5965

Field biology and control of Phytophthora parasitica on papaya (Carica papaya) in Hawaii. 5967

The expression of R-gene resistance to Phytophthora infestans in tissue cultures of Solanum tuberosum. 5969

Peanut pod invasion by fungi in the presence of lesion nematodes in Georgia. 5974

Strains of the fungus Thielaviopsis basicola (Berk. et Br.) Ferr. isolated from the roots of blue lupin (Lupinus 5976

Alfalfa diseases. 5977

Tropical crop losses with special reference to rice. 5978

Controlling diseases of dwarf wheats. 5980

A note on Drechslera rot of tomato. 5981

The powdery mildews on the ornamental plants. 5982

Studies on the varietal characters of Italian ryegrass. III. Varietal difference in degree of infection by crown rust. 5984

Auxin destruction by Marasmius perniciosus. 5985

Field evaluation of a derivative of 1,4-oxathiin for control of cereal smuts. 5986

Experiments on the control of cereal smuts with a derivative of 1,4-oxathiin. 5987

A new leaf spot disease of Mussaenda frondosa Linn.. 5989

Preliminary studies on mycorrhiza in Adonis vernalis. 5991

Notes on the appearance in France of Ophiobolus graminis, avenae variety. 5995

Trends in disease. 6000

Fungicides for gladiolus corms. 6002

Peach leaf curl. 6006

Perennial canker and bull's eye rot of apples. 6007

Field and greenhouse studies on the effects of plant amendments on Rhizoctonia hypocotyl rot of snapbean. 6008

Investigation of means for the chemical control of basal rot (Phytophthora capsici Leon.) of pepper. 6010

A microbiological control of Melampsora medusae. 6011

Suitability of several fungicides for treating soil infested with Phytophthora cactorum to prevent crown rot disease of apple trees. 6012

Chromosome location and linkage studies involving the Pm3 locus for powdery mildew resistance in wheat. 6013

Watch for silver leaf. 6014

Control of Armillaria mellea with systemic chemicals. 6018

Results from a three-year test with the anaerobic method in barley seed disinfection from Ustilago nuda (Pers.) Kell. et sw. 6019

Studies on the natural accumulation of loose smut infection on wheat - Ustilago tritici (Pers.) Jensen. 6020

Serological differentiation of Pythium aphanidermatum from Phytophthora parasitica var. nicotianae and Ph. parasitica. 6021

Biology of Ascochyta species parasitic on pea plants. 6023

Betel's wilt disease can be kept under control. 6025

Stem rot of oil palms in the Federal Experiment Station, Serdang. 6026

Lemon scab (Sphaceloma fawcettii scabiosa). 6029

Sorbic acid as an inhibitor of the Fusarinm vasinfectum fungus, which induces wilt in the cotton plant. 6030

The problems of plant disease control. 6034

Controlling stem-end rot of ripe mango. 6035

Investigations on chemical control of zebra disease in Agave hybrid no. 11648. 6036

Botrytis flower spot control in orchids. 6037

Physiological changes in sunflowers infected by storage rot. 6041

Cercosporidium helleri on Sphenoclea zeylanica--a new record for India. 6042

On the elm-tree dieback. 6043

Mycological techniques in plant pathology. 6044

Controlling diseases of oilseed crops. 6046

Diseases of pulses pose a challenge to plant pathologists, breeders. 6047

Diseases of fruits and vegetables. 6050

Spraying trials against Sclerotinia diseases of plums on flowers and fruits. 6053

Moniliasis of plum-trees. Biology and methods of control. 6054

Tree-wounding insects as vectors of the oak wilt fungus. 6055

Detection of Plasmodiophora brassicae races 2 and 6 in Ontario. 6056

Plant insect and disease control in Peru. 6061

Competitive saprophytic ability and inoculum potential of cotton root-infecting fungi in five soils. 6062

Effect and compatibility of nutrient sprays with insecticides and fungicides for groundnut (A. hypogea). 6063

Corn lodging. I. Relations between soluble solids, inorganic phosphates and basal stalk and root rots in mature plants. 6066

Interrelationships of Ledum species and their rust parasites in Western Canada and Alaska. 6067

The occurrence of Phyllosticta leaf spot of corn in Pennsylvania.
6068

Research on sap infections.
6070

Control of survival of Ophiobolus graminis between consecutive crops of winter wheat.
6072

Barley diseases in Western Australia.
6078

Considerations on the resistance of varieties of tomatoes to Fusarium wilt .
6080

Studies on accial development in rust fungi: Puccinia polliniae.
6082

Nitrogenous compounds in the xylem sap of American elms with Dutch elm disease.
6083

Protection of vineyards from plant diseases.
6087

Retention and transformation of anhydrous ammonia in soil and effects on foot rot Fusaria.
6088

Tomato leaf mould: Its assessment and effects on yield.
6089

Heat sensitization for control of grey mold of strawberry fruits by gamma irradiation.
6090

Investigations on yellow rust in wheat and barley, 1962-1965.
6096

Pyricularia oryzae.
6098

Ergot disease of bajra--its symptoms and control.
6100

Septoria spot on grapefruit in Southern California.
6101

Infection, recovery from infection and resistance of apricot trees to Verticillium albo-atrum.
6105

Some aspects of Fusarium infection of wheat seeds.
6107

Studies on the resistance to Anthracnose disease, (Gloeosporium ampelophagum) of grape varieties in Northern India.
6113

Fusarium blight and Merion bluegrass.
6114

Forest disease control in California; July 1, 1966 to June 30, 1967. aSB761.A3.
6117

Studies on Botrytis cinerea in tomatoes. Effect of soil nitrogen level and of methods of deleafing upon the occurrence of B. cinerea under commercial conditions.
6118

Fusarium foot-and-stem disease of the carnation.
6127

New disease in European plums.
6129

An observation on the influence of nitrogen fertilization on the attack of peas by powdery mildew (Erysiphe polygoni DC).
6131

Combating bacterial and fungal plant diseases with hexachlorophene(2,2'-methylene bis-(3,4,6-trichlorophenol). Patent 3,420,936.
6134

Cucurbit diseases, an aid to identification and control.
6135

Vegetable diseases, II. An aid to identification and control.
6136

Disease control.
6138

Rare symptoms on Chrysanthemum morifolium infected with Puccinia horiana.
6139

Rhytidiella moriformis n. gen., sp. causing rough-bark of Populus balsamifera.
6140

Sarcotrochila alpina and Lophodermium laricinum causing larch needle blight in North America.
6141

Isolation of the organism causing yeast-spot disease from the salivary system of the green stink bug.
6176

1969 tree fruit spray guide.
6183

Insects and diseases of vegetables in the home garden.
6242

1969, strawberry insect and disease control.
6247

Bark beetles.
6273

Ergot poisoning of cattle grazing Dallisgrass.
6596

A single-spore analysis of rust pustules produced by mixing isolates of two races of Puccinia coronata var. avenae.
7023

Sensitivity of stored melon fruit fungi to gamma irradiation.
7025

Studies on stored grain fungi. Part I.--Fungi from wheat and rice from Karachi.
7026

A new disease of potato tubers caused by Gilmaniella humicola Barron.
7029

Biological methods for determining the toxicity of grain in connection with its infestation with toxigenic microfungi.
7147

Reduction in aflatoxin contamination of rice by milling procedures.
7200

Effects of fungicide drenches on established poinsettia plants.
7267

Reaction of selected sorghum varieties and lines to downy mildew.
7270

Testing of fungicides as to their effectiveness against Botrytis cinerea with the aid of a grape juice test.
7320

The influence of CCC on disease contraction of grain.
7322

Agricultural and horticultural fungicides-past, present, and future.
7416

FURAN
The effect of furan series' carboxylic acid N, N-bis-(2-chloroethyl) hydrazides and N, N-bis-(2-chlordethyl) amides on the growth of transplantable tumours and haematopoiesis of rats and mice.
6543

FURAZOLIDONE
Studies on Salmonella infection among rabbits in the U. A. R. ·
6479

Listeriosis in sheep - observations on an outbreak in Romagna.
6532

FUROYLOXYALKENYL THIO PHOSPHATES
Controlling insects with furoyloxy-alkenyl thio phosphates. Patent 3,433,865.
5340

FUSARIUM
Effects of insecticides on insects and pathogenic fungi associated with alsike clover roots.
5815

Collected papers on cereal diseases. (Septoria, Fusarium, yellow rust).
5881

The occurrence of wilt in watermelon in the state of Sao Paulo.
5901

Breeding for Septoria and Fusarium resistance in wheat.
5925

Butt rot in yellow-poplar seedling-sprout stands.
5947

Relationships of the clover root curculio, Fusarium wilt, and bacterial wilt in alfalfa.
5961

Fungicides for gladiolus corms.
6002

Sorbic acid as an inhibitor of the Fusarinm vasinfectum fungus, which induces wilt in the cotton plant.
6030

Corn lodging. I. Relations between soluble solids, inorganic phosphates and basal stalk and root rots in mature plants.
6066

Considerations on the resistance of varieties of tomatoes to Fusarium wilt .
6080

Some aspects of Fusarium infection of wheat seeds.
6107

Sensitivity of stored melon fruit fungi to gamma irradiation.
7025

Biological methods for determining the toxicity of grain in connection with its infestation with toxigenic microfungi.
7147

FUSARIUM AVENACEUM
Fusarium foot-and-stem disease of the carnation.
6127

FUSARIUM CULMORUM
Results of tests of wheat varieties as to their resistance against grain diseases, carried out in the reclaimed land of the North East between 1961 and 1964.
5875

Fusarium foot-and-stem disease of the carnation.
6127

FUSARIUM MONILIFORME
Poor stands of corn and reduction of root growth caused by Fusarium moniliforme.
5937

FUSARIUM NIVALE
Some aspects of Fusarium infection of wheat seeds.
6107

FUSARIUM OXYSPORUM
The induction of dodine tolerance in Fusarium oxysporum f. melonis: a technique applicable to the study of the bionomics of soil-borne fungal pathogens.
6001

Fungicides for gladiolus corms.
6002

FUSARIUM OXYSPORUM LINI
Hot-water treatment of seed as a method for decreasing the incidence of certain cotton and flax seedling diseases.
5857

FUSARIUM OXYSPORUM VASINFECTUM
Hot-water treatment of seed as a method for decreasing the incidence of certain cotton and flax seedling diseases.
5857

FUSARIUM ROSEUM
Retention and transformation of anhydrous ammonia in soil and effects on foot rot Fusaria.
6088

Fusarium blight and Merion bluegrass.
6114

Fusarium foot-and-stem disease of the carnation.
6127

FUSIFORMIS NODOSUS
Parenteral chemotherapy of ovine foot-rot.
6561

G-36393
Precision placement of herbicides for weed control in seedling alfalfa. 6359

GALINSOGA PARVIFLORA
Influence of agrotechnical and chemical treatments on the changeableness of field plant associations. 6389

GALL-MAKING INSECTS
A critical note on The structure and function of sternal spatula in gall midges by S. N. Prasad and P. Grover. 4989
Cynipinae (Hymenoptera) occurring on Phlomis L. 5128
Notes on gall-midges from Israel and their parasites. 6178
Control of eelworm diseases of bananas in Western Australia. 6291

GALLBLADDER
Hepatocellular carcinoma in the dog. 6586

GALLERIA MELLONELLA
Changes in the hemocyte picture of Galleria mellonella (Linnaeus). 5396
In vivo and in vitro cytological diagnosis of densonucleosis in Lepidoptera. 5469
The effect of predator age on the functional response of Podisus maculiventris to the prey size of Galleria mellonella. 5485
Alteration of some properties of Bacillus thuringiensis by means of passages through the insects and cultivation on nutrient media. 5605

GAMASIDES
Infection of some species of Gamasidae with R. burneti in the natural Q-fever foci. 6910

GAMBUSIA AFFINIS
Gambusia for Colorado. 5746
Studies on a biological and a chemical method of controlling the dark rice field mosquito in Louisiana. (abstracts). 6168

GAME ANIMALS
Contribution to the knowledge of parasitic fauna of domestic animals and some game in Vojvodina. 6945

GAME BIRDS
Newcastle disease in Francolinus francolinus, Francolinus pondicerianus and in Bambusciola thoracica. 6588

GAME FOWL
Transmission of classical Marek's disease by affected and carrier birds. 6666

GAMETOGENESIS
Cytochemical effects of indoleacetic acid and kinetin on megagametophytic development in Lilium. 7245

GAMMA GLOBULINS
On antibody metabolism in pigs and calves, following the application of homologous and heterologous specific gamma-globulins. 6718
The olfactory bulb lesion in the hibernating squirrel (Citellus lateralis) infected with coxsackievirus B-3. II. Immunological study. 6816

GAMMA RAYS
Modification of gamma ray mutagenic action by temperature shock. 5790
Response of pines irradiated with lethal and sublethal doses of gamma-radiation. 5829
Heat sensitization for control of grey mold of strawberry fruits by gamma irradiation. 6090
On the bacterial effect of ionizing irradiation on certain microorganisms. Second communication. A study of the bactericidal effect of gamma rays on certain bacteria and the spores of Bac. anthracis. 6425
Preparation of stable noninfective influenza virus antigens for typing by hemagglutination-inhibition. 6773
Radiobiological damage: A new class identified in barley seeds stored after irradiation. 7022
Sensitivity of stored melon fruit fungi to gamma irradiation. 7025
Changes in ration of sugars and amino acids in cotton-plant and maize upon gamma-irradiation of seeds prior to sowing. 7250
Recovery from gamma radiation injury in barley seeds. 7256

GANGRENE
Gangrenous mastitis in ewes. II. Characteristics of the staphylococci, isolated from healthy ewes and from ewes affected with gangrenous mastitis. 6675

GANODERMA
An attempt to correct some mistakes and misconceptions about some fungus beetles and their habitats. 5517

GARDENIA
Leafspot of gardenia. 6126

GARDENS
Control home vegetable garden insects. 5358
Home garden insect control. 5472

GASTROENTERITIS
The role of Escherichia coli in gastroenteritis in newly-born calves in the District of Tolbuhin. 6832

GASTROINTESTINAL DISEASES
Treatment of gastrointestinal parasitism of cattle with Parbendazole. 7004
Symptoms of intoxications by poisonous pesticides. (JPRS 46216) 7143

GASTROINTESTINAL SYSTEM
Bromolysergic acid diethylamide in physiological studies of lepidopterous larvae. 5199
Radiographic study of intestinal transit in a higher termite. 5418
A note on the metamorphosis of the mid-gut epithelium in Callosobruchus maculatus (F.) (Bruchidae: Coleoptera). 5513
Flea Ctenophthalmus: Heterogeneous hexagonally organized layer in the midgut. 5558
An anion-stimulated adenosine triphosphatase from the potassium-transporting midgut of the larva of Hyalophora cecropia. 5651
Mastocytosis with gastrointestinal ulceration in a dog. 6511
Hypercalcemia and gastro-duodenal ulcerations. 6849
Effects of gastrointestinal nematode parasites on performance in feedlot cattle. 6912
Critical and controlled laboratory trials in sheep with tetramisole. 6950
On the biology of Apatemon gracilis (Rud., 1819), a trematode parasitizing in domestic and wild ducks. 6994
Diagnosis and treatment of poisoning in cats and dogs. 7183
Techniques for the systematic control of anthelmintics. gastrointestinal nematodes. Tests with a series of indole-hydrazines. 7194

GASTROPODA
Chemical molluscacides and the prophylaxis of helminthiases which can be transmitted to man by freshwater Gasteropods. 6934

GEESE
On the domestic geese coccidia in the Lithuanian SSR. 6473
Aspergillus flavus meningo-encephalitis in chickens and geese. 6476
Arbovirus-erythrocyte interaction. Adsorption, elution and neutralization of virus. 6589

GELECHIIDAE
New description of palearctic Scrobipalpa species. (Lepidoptera, Gelechiidae). 5126
A widely distributed pine sap injurious, Acanthophila piceana n. sp. (Lep. Gelechiidae) in Latvia. 5150
Chromosomes of the cereal leaf beetle. 5729
Mass appearance at Brussels of Sitotroga cerealella Ol. (Gelechiidae). 7036

GELS
Avian reoviruses. IV. Relationship to human reoviruses. 6548
Application of the agar gel technique in the diagnosis of infectious bovine rhinotracheitis. 6567

GENES
Insecticide resistance in the house fly: Decreased rate of absorption Is the mechanism of action of a gene that acts as an intensifier of resistance. 5532
Male genital disc defect in Drosophila melanogaster. 5683
Polymorphism in Pieris: Supposed lethality of homozygous subtalba (Lep., Pieridae). 5697
Linkage of gold, its recessive lethality and sex-related variation in crossing-over in Culex pipiens (Diptera: Culicidae). 5722
Genetical linkage relationships of DDT-RESISTANCE and dieldrin-resistance in Culex pipiens fatigans Wiedemann. 5741
Resistance of genes isolated from Avena sterilis to isolates of oat crown rust prevalent in Canada in 1968. 5928
The inheritance of resistance to powdery mildew in the cantaloupe variety seminole. 5953

GENETICS
Sex-Determination. 5273
Basic functions in Bacillus thuringiensis affecting its mode of pathogensis. 5636
Genetics of octanol dehydrogenase in Drosophila metzii. 5733

A biochemical mechanism of natural resistance of apple to Venturia inaequalis. 5834

S.N.F. content of milk. 6446

A single-spore analysis of rust pustules produced by mixing isolates of two races of Puccinia coronata var. avenae. 7023

On the repair of the damages induced by N-methyl-N'-nitro-N-nitrosoguanidine in the bacterial DNA. 7373

GENTAMICIN SULFATE

A new antibiotic: Gentamicin sulphate in Pseudomoniasis by Pseudomonas aeruginosa in Chinchilla laniger. 6570

GEOGRAPHY

Mycological investigations on field retting of fiber flax, species and distribution. 5932

GEOMETRIDAE

New African Ennominae (Lep. Geometridae). 5062

Cosymbia pupillaria Hbn. at an altitude of 3200 meters. 5099

A new species of Nepytia from the southern Rocky Mountains (Lepidoptera: Geometridae). 5134

A revision of the Neotropical species of the moth genus Glena (Lepidoptera, Geometridae). 5135

Entomological results of catches in the area of San Bernardino (Misox Gr), which has not been fully explored lepidoterologically. (A building block of the Swiss Lepidoptera fauna). 5147

Cyclophora pupillaria Hb. in Belgium (LepidopteraGeometridae). 5438

Behavioral adaptations of cryptic moths. I. Preliminary studies on bark-like species. 5583

An infection of Streptococcus faecalis Andrewes et Horder in the pine looper moth, Bupalus piniarius L. (Lepidoptera, Geometridae). 5654

GEOTROPISM

Effects of selection and migration on geotactic and phototactic behaviour of Drosophila. II. 5702

Studies in experimental behavior genetics: V. Negative geotaxis and further chromosome analyses in Drosophila melanogaster. 5709

GERM-FREE LIFE

Gnotobiotic culture and its significance to plant nematology. 6309

Early changes in bursa of Fabricius from Marek's disease. 6642

Nebraska's specific pathogen-free (SPF) swine program; tenth year report. 7016

GERRIDAE

On the functional morphology of water striders. I. The morphology of the locomotive apparatus of Gerris lacustris L. (Heteroptera: gerridae). 5279

GIBBERELLA FUJIKUROI

(-)-pimaradiene: A new precursor of the gibberellins. 7337

Biosynthesis of gibberellic acid. A correction. 7338

GIBBERELLA ZEAE

Herbicide action on Fusarium graminearum Schw. 5831

GIBBERELLIC ACID

Effects of growth regulators on ear density mutants in barley. 6095

Gibberellin and growth in stone fruits: Induction of parthenocarpy in plum. 7251

Effect of light and gibberellic acid on the growth of pea internodes. 7277

Synthesis of compounds related to gibberellic acid. Iii. Analogs of ring A of the gibberllins. 7327

Biosynthesis of gibberellic acid. A correction. 7338

GIBBERELLINS

Stimulatory effects of gibberelins on the growth of Chlorella pyrenoidosa (Chick). 7224

Interaction of plant hormones. 7241

Studies on the light sensitivity of Plantago major L. seeds. I. The effect of gibberellin, kinetin and potassium nitrate. 7285

On the mechanism of gibberellin-auxin interaction. IV. Effect of gibberellin treatment on the oxidative destruction of indoleacetic acid in bean hypocotyl tissues. 7310

Trials of obtaining artifical tobacco poliploids. 7319

Synthesis of compounds related to gibberellic acid. Iii. Analogs of ring A of the gibberllins. 7327

(-)-pimaradiene: A new precursor of the gibberellins. 7337

Aspects of gibberellin biosynthesis. 7349

GLADIOLUS

The weed vegetation of flower beds and irrigated cultivations in Cairo and some adjacent provinces. 5837

Fungicides for gladiolus corms. 6002

GLANDS (ANIMALS)

Influence of some preparations applied into the udder on the pH, microscopic cellular appearance, California Mastitis Test and on the content of catalase and chlorides in milk. 6837

GLANDS (INSECTS)

The golgi body origin and the development of the vacuolary bodies implied in the degeneration of the molt glands of Locusta migratoria migratorioides (R. and F.). 5254

Insect venoms, attractants, and repellents. XI. Massoilactone from two species of formicine ants, and some observations on constituents of the bark oil of Cryptocarya massoia. 5257

Effect of the age of pollen used in pollen supplements on their nutritive value for the honeybee. I. Effect on thoracic weight, development of hypopharyngeal glands, and brood rearing. 5348

Experiments with an artificial spermatophore in cockchafer (Melolontha melolontha L.). 5431

Evolution toward a single phenotype and persistance of the molting glands in Locusta migratoria cinerascens, gregarious phase, under the influence of carbonic gas. Experimental and ultrastructural study. 5498

Accessory glands of female Culex pipiens quinquefasciatus Say and autogenous Culex pipiens pipiens L. (Diptera, Culicidae): Appearance and behavior in relation to oogenesis. 5567

Studies of physiologically active arthropod secretions. II. Some observations on the scent pencils of male Vitula edmandsae (Lepidoptera: Phycitidae). 5670

Salivary gland chromosome variation in the Drosophila affinis subgroup. II. Comparison of C-chromosome patterns in D. athabasca and five related species. 5725

Mycoplasma-like bodies in the salivary glands of insect vectors carrying the aster yellows agent. 6191

GLOBULINS

Immunoglobulin development in sera of pigs injected with killed suspensions of Salmonella choleraesuis. 6788

Nitrogen metabolism in developing seeds of Vicia faba. 7225

GLOEOSPORIUM MUSARUM

New developments in the treatment of bananas before packing. 5902

GLOMERELLA CINGULATA

Studies on the control of the anthracnose of Acacia dealbata caused by Glomerella cingulata Stonem. 5954

A new leaf spot disease of Mussaenda frondosa Linn.. 5989

GLOMERULONEPHRITIS

Histopathological examination of the kidneys of a ram who died of a urethral obstruction due to sedimentosis. 6646

GLOSSINA

A falling cage for sampling tsetse flies (Glossina; Diptera). 4974

GLOSSINA MORSITANS

Effect of ligaturing on puparium formation in the larva of the tsetse fly, Glossina morsitans Westwood. 5432

Observations on the oxygen consumption of tsetse larvae (Glossina morsitans). 5542

An apparent discontinuity in the relation between temperature and the respiratory rate of tsetse pupae. (Glossina morsitans). 5543

GLUCOSE

Glucose-dependent secretion and destruction of hydrogen peroxide by Mycoplasma pneumoniae. 6526

Comparative studies on blood-stream and culture forms of Trypanosoma lewisi--I. Oxygen utilization, carbon dioxide production and glucose uptake. 6625

Catabolite repression in Escherichia coli. A study of tow hypotheses. 6732

Influence of atrazine and varied carbon and nitrogen amendments on growth of Sclerotium rolfsii and Trichoderma viride in soil. 7236

Investigation of the effect of growth inhibitors on shoot growth of Pozegaca plum cultivar. 7300

GLUCOSE-6-PHOSPHATASE

Trehalose regulation of gucose-6-phosphate hydrolysis in blowfly extracts. 5317

GLUTAMATE

The action of iontophoretically applied glutamate on insect muscle fibres. 5222

GLUTAMINE

Factors influencing disease development of putting green turf. 5956

GLYCERIDES
Medium-chain triglycerides as a stress factor in vitamin E deficiency of chicks. 6502

GLYCEROL
Activation of the myofibrillar ATPASE activity by extension of glycerolextracted insect fibrillar muscle. 5571
The coupling of poweroutput and myofibrillar ATPASE activity in glycerol-extracted insect fibrillar muscle at varying amplitude of ATP-DRIVEN oscillation. 5572

GLYCINE
Effects of penicillin and glycine on cell wall glycopeptides of the two varieties of Vibrio fetus. 6585
Effect of CCC and glycine betaine on growth and growth-substance content of primary leaves of dwarf French bean (Phaseolus vulgaris L.). 7317

GLYCOGEN
Effect of starvation on the scorpion Palamnaeus bengalensis. 5612

GLYCOLYSIS
Oxidative metabolism of carbohydrates in phytophagous insects. I. Glycolysis in the cotton stainer Dysdercus fasciatus Signoret (Pyrrhocoridae, Hemiptera). 5189
Metabolism of the muscle of the scorpion. 5403

GLYCONEOGENESIS
The glyoxylate cycle, fructose-1,6-diphosphatase and glyconeogenesis in Fasciola hepatica. 6993

GLYCOPEPTIDES
Effects of penicillin and glycine on cell wall glycopeptides of the two varieties of Vibrio fetus. 6585

GLYCOSURIA
Some observations of hypomagnesemic tetany in cattle. 6606

GLYPTOTENDIPES PARIPES
Colonization of two species of Florida chironomids. 5573

GNORIMOSCHEMA OPERCULELLA
Two species of Copidosoma parasitic on the potato tuber moth (Hymenoptera: Chalcidoidea-Encyrtidae). 5151
Phenology of the potato tuber moth, Gnorimoschema operculella Zell., in Israel in the spring. 6280

GOATPOX VIRUS
Studies on goat-pox virus. I. Host range pathogenicity. 6805
Studies on goat-pox virus. II. Serological reactions. 6806

GOATS
Animal science. 6442
Some observations on the incidence of Brucellosis in animals in West Pakistan. 6471
Strain variation in the response of Haemonchus contortus in sheep and goats given phenothiazine: Efficacy of N. F. and purified products on pure parasitic infections. 6527
Natural scrapie in a goat. 6630
On pyroplasmodias in sheep and goats. II. Research into anaplasmosis. 6686
A case of pruriginous rabies in goats. 6742
The increase of contagious ecthyma in the state of Sao Paulo. 6765
Studies on goat-pox virus. I. Host range pathogenicity. 6805
1969, controlling insects on sheep and goats. 6905
Studies on the acquired resistance of goats to Haemonchus spp. 6954
Amprolium as a coccidiostat for Angora goats. 7184

GOLDFUSSIA DALHOUSIANA
Studies on aecial development in rust fungi: Puccinia polliniae. 6082

GOMPHRENA GLOBOSA
Transmission and translocation of red clover vein mosaic virus in clover. 5921
Effect of red clover vein mosaic virus on dry weight of tissues of Gomphrena globosa. 5922

GONADS
Sexual dimorphism of larvae and pupae of Aedes aegypti (Linn.). 5659

GOPHERS
Aversion to strychnine sulfate by Norway rats, roof rats, and pocket gophers. (abstract). 7171

GOVERNMENT AID
Disaster aid for mosquito control agencies. 5525
The effect of social and economic changes in the People's Republic of Bulgaria on morbidity from anthrax. 6661

GRAIN
Watch for the cereal leaf beetle. 5186
An aerial view of take-all. 5863
Collected papers on cereal diseases. (Septoria, Fusarium, yellow rust). 5881
Are sick plants dangerous. 5943
Field evaluation of a derivative of 1,4-oxathiin for control of cereal smuts. 5986
Trends in disease. 6000
The susceptibility of cereals and wild oats to an isolate of the aster yellows pathogen. 6128
1969 insect control guide for Colorado. I. Cereal crops, field crops, forage crops, stored grain. 6182
Grasshopper control 1969. 6207
Insect pests of grain in the field of Turkey. 6235
Results of herbicide tests carried out in 1966 by the Vegetable Protection Service. 6326
Results from experiments with herbicides for weed control in pea grain crops grown in Dobroudja. 6336
The economic importance of early weed control in cereals. 6354
Experimental husbandry farm experience with herbicides and tillage systems for cereal growing. 6399
The importance of relative humidity in the storage of cereals. 7028
Protect stored grain from insect damage. 7033
Mass appearance at Brussels of Sitotroga cerealella Ol. (Gelechiidae). 7036
Biological methods for determining the toxicity of grain in connection with its infestation with toxigenic microfungi. 7147
Influence of retardants on the growth and flowering of plants. 7231
The influence of CCC on disease contraction of grain. 7322

GRAMOXONE
Use of herbicides in coffee nurseries with full exposure to sun. 6324

GRANULOMA
Roeckl granuloma with an excessively testicular localization. 6571

GRANULOSES
Parasites as vectors of granulosis virus of Hadena sordida Bkh. 5599
Factors influencing the persistence of the granulosis virus of Pieris brassicae in the environment. 5752
Virus diseases as limiting factors of some lepidopterous defoliators on poplar trees in Vojvodina. 6249

GRAPE VINEYARDS
Encyclopedia of phyto-sanitary treatments of grapes in Champagne. 5795
Results of insecticide and fungicide tests, carried out in 1966, by the Vegetable Protection Service. 5879
Protection of vineyards from plant diseases. 6087
A viticultural crisis of more than a quarter of a century: It has been a century since France discovered Phylloxera. 6254
Weed control in California vineyards. 6358

GRAPEFRUIT
Septoria spot on grapefruit in Southern California. 6101
Oil deposit on grapefruit leaves with 3 types of spray equipment in relation to control of certain citrus pests. 7101
Juice quality of grapefruit following June versus September applications of a 412 paraffinic petroleum oil with data on control of certain pests. 7238

GRAPEFRUIT JUICE
Juice quality of grapefruit following June versus September applications of a 412 paraffinic petroleum oil with data on control of certain pests. 7238

GRAPES
Encyclopedia of phyto-sanitary treatments of grapes in Champagne. 5795
Isolation and purification of mycoplasm-type microorganisms after the grapes attain a yellowish gild. 5945
Studies on the resistance to Anthracnose disease, (Gloeosporium ampelophagum) of grape varieties in Northern India. 6113
Results of herbicide tests carried out in 1966 by the Vegetable Protection Service. 6326
Effects of growth retardants on Vitis vinifera L. 7218

Increases in the levels of cytokinins in bleeding sap of Vitis vinifera L. after CCC treatment. 7295

Propagation of grape (Vitis vinifera L.) by air layering with the aid of plant regulators. 7299

Testing of fungicides as to their effectiveness against Botrytis cinerea with the aid of a grape juice test. 7320

GRAPHOGNATHUS

Domestic quarantine notices. White-fringed beetle. 5620

GRAPHOLITHA MOLESTA

The oriental fruit moth and its control. 6223

GRASS TETANY

Some observations of hypomagnesemic tetany in cattle. 6606

GRASSES

Range recovery and production as influenced by nitrogen and 2,4-D treatments. 5826

Fungicides and turf disease control - 1964. 5883

Pyricularia oryzae. 6098

Disease control. 6138

A nematode survey of tobacco soils in Rhodesia and Zambia, and the effects of grass-tobacco rotations on nematode populations. 6303

Competition between burroweed and annual and perennial grasses for soil moisture. 6328

Spraying pastures. 6348

Recent advances in perennial grass control in avocado orchards. 6350

Weed control in nursery sod. 6371

Weed control in turf. 6382

Controlling weeds in turf. 6387

GRASSHOPPERS

Modifications of the Bodian technique applied to insect nerves. 5263

Grasshopper control, 1969. 5411

Grasshopper control 1969. 6207

GRAY MOLD

Heat sensitization for control of grey mold of strawberry fruits by gamma irradiation. 6090

GRAZING

Experiments with fattening pigs on pasture. 6426

Controlling bloat in cattle grazing clover. 6578

The introduction of Nematodirus battus (Crofton and Thomas, 1951) into a new environment. 6951

Report on the working party on liver-fluke in Wales. 7002

GREENHOUSE CULTURE

Varietal resistance to hoja blanca. 5990

Field and greenhouse studies on the effects of plant amendments on Rhizoctonia hypocotyl rot of snapbean. 6008

The occurrence of Phyllosticta leaf spot of corn in Pennsylvania. 6068

Regulation in connection with field and greenhouse culture of nursery plants. 6284

Influence of herbicides from s-triazine group on dynamics of some biochemical processes of oats in test experiments. Part II. Researches on action of propazine, prometrine, and prometone. 7248

Ethylene prevents normal photoperiodic response in Chrysanthemum morifolium. 7286

GREENHOUSES

The pollination of runner beans (Phaseolus multiflorus) in a glasshouse. 5314

GREGOPIMPLA HIMALAYENSIS

Intraspecies competition in a field population of Gregopimpla himalayensis (Hymenoptera: Ichneumonidae) parasitic on Malacosoma neustria testacea (Lepidoptera: Lasiocampidae). 5600

GROWTH FACTORS

Influence of temperature on the rate of development of six varieties of the Bacillus cereus group. 5615

A contribution to the knowledge of heterosis in potato. 5813

Effect of the low temperature treatment of the wet culture Aspergillus oryzae 8F1 and germinated seed on the increase of the fermentation activity. 5848

'miracle' tree is in trouble. 6301

Competition between burroweed and annual and perennial grasses for soil moisture. 6328

Notice of withdrawal of petition for food additives dienestrol diacetate, amprolium, and penicillin. 7158

GRUBS

Home fruit spray guide. 5959

GRYLLACRIDIDAE

Wingless Camel Crickets in Lancashire. 4993

GRYLLIDAE

On a new species of Mirzaiella Basir, 1942 from Gryllotalpa africana. 5302

The modification of embryologic differentiation processes through total radiotherapy in eggs of Gryllus domesticus. 5362

GRYLLOTALPA AFRICANA

On a new species of Mirzaiella Basir, 1942 from Gryllotalpa africana. 5302

GUINEA PIGS

Adrenergic mechanism in Bordetella pertusis treated animals. 6475

Immuno-fluorescent study of antibody formation in immunization of guinea pigs with a live brucella culture. 6478

In vivo growth and distribution of anthrax bacilli in resistant, susceptible, and immunized hosts. 6653

Cytolytic plasma factor in experimental coccidioidomycosis. 6688

Synthesis of radioactive Trichinella spiralis larval antigen in vitro. 6799

Pathomorphological studies on rabbits and guinea-pigs experimentally infected with the virus of Aujeszky's disease. 6854

The influence of cortisone and low environmental temperature on experimental infectious canine hepatitis in the guinea-pig. 6878

Contribution to the problems of toxic action of Ascaridia galli on laboratory animals. 6917

Remarks concerning the experimental infestation of guinea pigs with the East African strain of Trichinella spiralis. 6946

GYNANDROMORPHISM

A bipolar differentiated gynandromorph of Culex tarsalis Coquillett, from Texas. 5476

HABITATS

Malayoglyphus intermedius n. g., n. sp., a new mite from house dust in Singapore and Djakarta (Pyroglyphidae: sarcoptiformes). 5028

The genus Protogamasellus Karg (Acari) with descriptions of new species and subspecies from the Ethiopian Region. 5040

Conditions of formation of water reservoirs-Breeding places of blood-sucking mosquitoes (Culicidae). 5200

Features of microclimatic regimen of habitats of sandflies in a village of Karshinsky Oasis. 5329

Method of killing pests by application of an O,Odiloweralkyl phosphorodithioyl methyl-substituted mercaptoacetate. Patent 3,433,870. 5345

Infection rate of Culex pipiens L. mosquitoes with parasitizing fungus Entomophthora conglomerata Sorok. in the vicinity of Novocherkassk. 5382

An attempt to correct some mistakes and misconceptions about some fungus beetles and their habitats. 5517

Biology of Dufourea and of its cleptoparasite, Neopasites (Hymenoptera: Apoidea). 5646

On the photopositive responses of some insects towards monochromatic lights. 5691

Infestation rate and damage by the Nantucket pine tip moth in six loblolly pine stand categories. 6156

Weeds and man. 6325

Effect of paddock size, stocking rate, anthelmintics, and trace elements on the weight gain of young cattle. 6828

Measurements of the osmotic pressure in the habitat of Polymorphus minutus (Acanthocephala) in the intestine of domestic ducks. 6930

The murids in the vicinity of Lake Kivu and neighboring regions (Central Africa) and their ecology. 7045

HABROBRACON

Regulation of tryptophan metabolism in the parasitic wasp, Habrobracon juglandis. 5439

HABRONEMA

On the granular dermatitis in horses which contains a kind of true fungus in the foci II. 6460

HADENA SORDIDA

Parasites as vectors of granulosis virus of Hadena sordida Bkh. 5599

Alteration of some properties of Bacillus thuringiensis by means of passages through the insects and cultivation on nutrient media. 5605

HADRODACTYLUS BRANDERI

Hadrodactylus branderi n. sp. (Hym., Ichneumonidae) from Finland. 5076

HAEMATOPINUS EURYSTERNUS
Cattle lice; how to control them. 6889

HAEMOLYMPH
Use of histopathology indices of haemolymph for the prognosis of mass propagation of pests. 5434
Ionic composition of haemolymph and nervous function in the cockroach, Periplaneta americana L. 5528
Intracellular concentration of electrolytes in the housefly. 5598

HAEMONCHOSIS
Evaluation of parbendazole as an anthelmintic in cattle. 6919

HAEMONCHUS
Studies on the acquired resistance of goats to Haemonchus spp. 6954

HAEMONCHUS CONTORTUS
Strain variation in the response of Haemonchus contortus in sheep and goats given phenothiazine: Efficacy of N. F. and purified products on pure parasitic infections. 6527
A comparative study of the activities of 2,6-diiodopara-nitrophenol (Disophenol) and 2-para-thiazolylbenzimidazole (Thiabendazole) as anthelmenthic for sheep. 6999

HAEMONCHUS PLACEI
Epidemiology of helminth infestation of beef cattle in central Queensland. 7019

HAEMOPROTEUS
Blood parasites found in imported birds at post-mortem examination. 6987

HAIR
Unit-hair receptor activity from the telson of the scorpion, Heterometrus fulvipes. 5201
A tactile seta of the Two-spotted Spider Mite, Tetranychus urticae K. (Acarina: Tetranychidae). 5460
The significance of the manganese content in the hair of cattle. 6492

HALF-LIFE
Nuclear magnetic resonance studies of phosphorus(V) pesticides- III, the hydrolysis of aliphatic pesticides by aqueous solutions. 7347

HALICTIDAE
Biology of Dufourea and of its cleptoparasite, Neopasites (Hymenoptera: Apoidea). 5646

HALIDES
Tri(C8-C10 alkyl) m- and p-nitrobenzyl quaternary ammonium halides. Patent 3,446,844. 7333

HALO BLIGHT
Chemical control of bean bacterial diseases in Wisconsin. 5951

HALOBACTERIUM SALINARIUM
Morphological transformations and lysis of Halobacterium salinarium by 4-(2,4-dichlorophenoxy)butyric acid and related compounds. 6377

HALOGEN COMPOUNDS
Herbicidal, halogenated urea derivative. Patent 3,431,289. 7344
Dimethyl fluoride-substituted methylene bisphenol germicides and fungicides. Patent 3,341,343. 7376

HALOGENS
Halo-substituted phenoxyethyl carbamates and derivatives thereof. Patent 3,439,021. 6334
Monophosphoric acid esters of halogen containing 2,2'-methylenediphenols. Patent 3,439,069. 7017

HALOGETON GLOMERATUS
Effects of age, burial, and region on germination and viability of halogeton seed. 5836

HAMSTERS
Properties of the in vitro soluble RNA methylase activity of hamster tumors induced by adenovirus-12. 6713

HARPAGOPHORIDAE
Chromosome studies in Diplopoda (Myriapoda). A note on the abnormal sex-chromosome behaviour in the male of Thyropygus sp.. 5698

HARVESTING
Soya beans - specialist advice. 5777
Cotton as a supplement to tobacco. 5807
Soya beans - practical aspects. 5830
Influence of pre- and post-harvest treatments on bitter pit of Granny Smith apples in the Goulburn Valley. 6104
Aflatoxin in the groundnut crop at harvest in Northern Nigeria. 7185
Method of facilitating harvest of mature plants. Patent 3,447,919. 7386

HARVESTING DATE
Pest and disease control aspect of changing cropping patterns. 5842
Reduction in or elimination of cultural practices in potato cultures following the application of herbicides. 6394

HATCHING
Lack of effect of constant magnetic fields on Drosophila egg hatching time. 5630
Effects of Salmonella senftenberg injection on chicks hatched from eggs in treatment of testosterone propionate. 6736

HAY
Study of the control of Antonina graminis (Maskell)--curse of hay (Digitaria pentzii) with granular systemic insecticides. 6175
A study of natural pastures in Madagascar. Productivity and pratical applications. 6427

HEALTH SURVEYS
A survey of parasites in laboratory primates. 6998

HEART
Growth and respiration of monolayer cell cultures of chick embryo heart and skeletal muscle: Action of malathion and malaoxon. 6871

HEART RATE
Antennal pulsatile organs in Scolopendra morsitans (Chilopoda:Myriapoda). 5545

HEAT
Experimental Pasteurella infection in normal and chloropromazine-premedicated cockerels, subjected to heat stress. 6657

HEAT TREATMENT
Heat sensitization for control of grey mold of strawberry fruits by gamma irradiation. 6090
Heat resistance of Salmonella in various egg products. 7057

HELEOMYZIDAE
The genus Cairnsimyia Malloch (Diptera, Heleomyzidae, Rhinotorini). 5100

HELICOPTERS
Pest control with helicopter and biplane. 7391
The microfoil boom. 7394

HELICOTYLENCHUS PSEUDOROBUSTUS
Nematodes and roses. 6297

HELIOTHIS
Insecticide control of Heliothis punctigera Wallengr. II. Linseed crop, 1961. 6159

HELIOTHIS ARMIGERA
Notes on Banchopsis ruficornis Cameron (Hym.: Ichneumonidae) an internal larval parasite of Heliothis armigera (Hubner) in India. 5457

HELIOTHIS VIRESCENS
Parasitism in fall populations of the bollworm (Heliothis zea Boddie) and the tobacco budworm (Heliothis virescens F.) from cotton on the high and rolling plains, 1967. 5235
Effects of reroductive-diapause boll weevil (Heliothis zea Boddie) insecticidal control programs on the abundance of bollworms and tobacco budworms (Heliothis virescens F.) in cotton in the rolling plains of Texas, 1967. 5236
Evidence of a nonspecific type resistance to insecti cides by a resistant strain of the tobacco budworm. 5516

HELIOTHIS ZEA
Parasitism in fall populations of the bollworm (Heliothis zea Boddie) and the tobacco budworm (Heliothis virescens F.) from cotton on the high and rolling plains, 1967. 5235
Effects of reroductive-diapause boll weevil (Heliothis zea Boddie) insecticidal control programs on the abundance of bollworms and tobacco budworms (Heliothis virescens F.) in cotton in the rolling plains of Texas, 1967. 5236
Combining abilities and relative dominance among maize inbreds for resistance to earworm injury. 5852
Control of the corn earworm on sweet corn in Eastern Nebraska. 6256
Control cotton insects . 6278

HELMINTHIASIS
Eurycestus avoceti Clark, 1954 (Cestoda, Cyclophyllidaen parasite of the Avocet in Camargue. 6914
The determination of enterokinase activity in the duck intestine during experimental echinostomatosis. 6927
Chemical molluscacides and the prophylaxis of helminthiases which can be transmitted to man by freshwater Gasteropods. 6934
The Ukraine on the way of freeing animal husbandry from the main helminthoses. 6936
Coumaphos, a new anthelmintic for control of Capillaria obsignata, Heterakis gallinarum, and Ascaridia galli in chickens. 6940
Helminthoses as allergic diseases. 6941

The epizootiology of ovine verminous bronchopneumonias in Leon. 6943

Comparative susceptibilities of the cat and the domestic pig to the west African strain of Trichinella spiralis. (Owen, 1835). 6947

Critical and controlled laboratory trials in sheep with tetramisole. 6950

Ridding sheep breeding farms of helminthoses. 6956

On the nematode fauna of domestic fowl in the Lithuanian SSR. 6959

Growth and development of poultry echinostomatids in the organism of definitive host. 6961

Efficacy of tetramisole on nematode infections of dogs. 6981

Problems of the eradication of the most important helminthoses. 6983

Metastrongylus salmi Gepoelst, 1923--the pig parasite. 6996

The efficiency of copper sulphate, phenothiazine and sodium chloride mixture against sheep helminthoses. 7005

Materials for the investigation of helminthosis pathogenesis. 7007

Achievments of Soviet investigators in the study of helminth biology and helminthosis epizootiology. 7008

Epidemiology of helminth infestation of beef cattle in central Queensland. 7019

Helminthosis liquidation- a reserve of increasing animal production. 7020

HELMINTHOLOGY

Achievements of Soviet veterinary helminthology. 6421

A helminthological survey of wild mink in Wisconsin. 6939

Helminthological evaluation of deep litter in poultry houses. 6986

Achievments of Soviet investigators in the study of helminth biology and helminthosis epizootiology. 7008

HELMINTHOSPORIUM

Helminthosporium solani. 5855

Fungicides and turf disease control - 1964. 5883

Fungistatic and fungicidal effects of certain organic products on some fungi causing diseases in vegetables. 5899

A note on Drechslera rot of tomato. 5981

HELMINTHOSPORIUM ORYZAE

The germination of conidia and the appressoriun formation of Alternaria porri on the surface of onion leaves. 5860

The problems of plant disease control. 6034

HELMINTHOSPORIUM SATIVUM

A study of factors influencing the genetics of reaction of barley to root rot caused by Helminthosporium sativum. 5896

HELMINTHOSPORIUM SOROKINIANUM

Factors influencing disease development of putting green turf. 5956

HELMINTHOSPORIUM SPICIFERUM

The problems of plant disease control. 6034

HELMINTHS

Effects of total and partial body radiation on helminthic infections. 6923

Investigation into the Helminthid fauna of deer (Capreolus (apreolus L.) in the Bulgaria. II. Material on the Helminthed fauna of deer (Capreolus capreolus L.) in the Balkan mountains. 6957

The epizootiology of dicroceliosis in the province of Leon. 6967

Echinococcus granulosus equinus Williams and Sweatman, 1963 in italy; epizootiological aspects and morphological and biological studies of the parasite. 6968

A physico-chemical approach to the serological diagnosis of cysticercosis. 6976

Canine filariasis on Okinawa, Ryukyu Islands. 6988

A survey of parasites in laboratory primates. 6998

Visceral cysticercosis in bovine animals. 7000

An approach to the treatment of outbreaks of Fascioliasis in sheep. 7001

Table of human infections. In: Diseases of man acquired from his pets. 7146

HEMAGGLUTINATION

Immunity in the invertebrates. I. Studies on the naturally occurring haemagglutinins in the fluid from invertebrates. 5462

Avian reoviruses. IV. Relationship to human reoviruses. 6548

Hemagglutinin of rabies and some other bullet-shaped viruses. 6611

HEMAGGLUTINATION-INHIBITION TEST

Immune response of chickens to six strains of Newcastle disease virus as measured by hemagglutination-inhibition test. 6517

Avian reoviruses. IV. Relationship to human reoviruses. 6548

Newcastle disease in Francolinus francolinus, Francolinus pondicerianus and in Bambusciola thoracica. 6588

Attempts to induce recombinant somatic cells in chicken erythrocyte chimaeras by repeated injection of western equine encephalomyelitis virus. 6660

Preparation of stable noninfective influenza virus antigens for typing by hemagglutination-inhibition. 6773

A hemagglutination-inhibition test for Mycoplasma meleagridis antibodies. 6787

A physico-chemical approach to the serological diagnosis of cysticercosis. 6976

HEMATOLOGIC DISEASES

Familial nonspherocytic hemolytic anemia of Basenji dogs. 6568

A hemolytic neonatal disease in swine associated with blood group incompatibility. 6722

HEMATOLOGY

Veterinary science. 6438

Investigations on the viruses of the Orphan type occurring in pigs in Poland. IV. Haematological findings in piglets artificially infected with virus L1. 6500

Bovine leukaemia. A report of four cases. 6698

Viral etiology of the bovine lympholeukosis. 6729

Experimental salmonellosis in swine and its clinical-hematological characteristics. 6825

Notes on the spontaneous pathology of the dog in the laboratory. 2nd note: Hematoma of the spleen. 6850

Hematological response of different stocks of chikens to iron-copper deficient diet. 6862

Hematological effects of apholate on channel catfish (Ictalurus punctatus). 7156

HEMATOPOIESIS

The effect of furan series' carboxylic acid N, N-bis-(2-chloroethyl) hydrazides and N, N-bis-(2-chlordethyl) amides on the growth of transplantable tumours and haematopoiesis of rats and mice. 6543

HEMATURIA

Influence of a papilloma vaccine on chronic bovine enzootic hematuria. 6757

HEMEL

Effect of certain alkylating and non-alkylating chemosterilants on Culex fatigans Weid. 5342

HEMEROCALLIS

An injection method for treating Hemerocallis spikes with colchicine. 7229

HEMILEIA VASTATRIX

Fungicides for arabica coffee. VIII--PRELIMINARY relationships among some new fungicides, leaf rust (Hemileia vastatrix) and leaf fall. 5964

HEMIPTERA

The identity of Naphius seed bug pests in Africa (Hemiptera: Lygaeidae). 5143

What is Psallus dilutus Fieber 1858 (Hem.,Het.,Miridae. 5165

Reduction of flight organs in some cryptobrachypterous Lygaeidae (Hem., Het., Lygaeidae). 5398

Some observations on flagellate parasites of hemipterans Corimelaena, Euschistus, Gerris, Leptocoris and Oncopeltus in the United States. 5444

Italian beet culture. The protection against insect pests. 6233

HEMOGLOBIN

The oxygen binding properties of some larval hemoglobins of Chironomus th. thummi. 5606

Results of hemoglobin determination in piglets in the frameworkof herd diagnosis of piglet anemia. 6540

HEMOLYMPH

A comparative electrophoresis study of the Triatoma rubida Complex (Hemiptera: Reduviidae: Triatominae). 5181

A sodium and potassium stimulated adenosine triphosphatase in the cockroach nerve cord. 5337

Changes in the hemocyte picture of Galleria mellonella (Linnaeus). 5396

Immunity in the invertebrates. I. Studies on the naturally occurring haemagglutinins in the fluid from invertebrates. 5462

Changes in the content of fixed amino acids in tissues of silk worm during development. 5592

HEMOLYSINS

Some characteristics of Staphylococcus aureus isolated from the skin and upper respiratory tract of domesticated and wild (Feral) birds. 6615

HEMOLYSIS

Effect of Iloxosceles reclusa Gertsch and Mulaik venom against hemocytes of Acheta domesticus (Linnaeus). 7191

HEMOLYTIC ANEMIA

Familial nonspherocytic hemolytic anemia of Basenji dogs. 6568

A hemolytic neonatal disease in swine associated with blood group incompatibility. 6722

HEMORRHAGE

Diagnosis and treatment of poisoning in cats and dogs. 7183

HEMP

Influence of inbreeding carried out during many years on hemp growth and development. 7318

HEMPA

Effect of certain alkylating and non-alkylating chemosterilants on Culex fatigans Weid. 5342

Studies on control of house flies in Egypt by chemosterilants. I. Laboratory studies on Musca domestica vicina. 5346

HEPATITIS

Contribution to the traumatic splenitis and hepatitis in cattle. 6740

Relationship of aflatoxin to epizootics of toxic hepatitis among animals in southern United States. 6870

HEPTACHLOR

Effects of insecticides on insects and pathogenic fungi associated with alsike clover roots. 5815

Termites need no longer threaten groundnut in Nimar. 6202

Comparative efficacy and economics of various measures adopted for eradication of white grub beetle (Holotrichia serrata Fabricius) damaging sugarcane in Uttar Pradesh. 6204

Reduction of residues of heptachlor and chlordane in carrots with soil applications of activated carbon. 7085

Insecticide residues in spring wheat plants grown in the field from seed treated with aldrin or heptachlor. 7132

Effect of DDT, dieldrin, heptachlor on the growth of selected bacteria. 7234

Effect of DDT, dieldrin and heptachlor on the growth of selected bacteria. (Abstract). 7235

Degradation of gamma-BHC in simulated lake impoundments as affected by aeration. 7362

HERBICIDE APPLICATION

Weed control in field brassica crops. 6321

Wetting agents, oils: Are they a plus for atrazine . 6322

Weed control in corn. 6333

Ten keys to herbicide effectiveness. 6342

After coton is up, here are ways to keep it clean. 6346

Gesatop - its uses in horticultural crops. 6347

Chemical growth inhibition in turf. 6349

Selective control of hoary alyssum in alfalfa. 6355

Chemical weed control information for North Carolina, 1969. 6357

Precision methods for better weed control. 6380

Brush research in Texas, 1968. 6390

Methods of chemical weed control. 6391

Reduction in or elimination of cultural practices in potato cultures following the application of herbicides. 6394

Application of herbicides and calibrating equipment. 7393

A sub-surface applicator for herbicides. 7399

HERBICIDE RESIDUES

Will the use of 2,4,5-T to control streamside vegetation contaminate public water supplies . 7078

Industrial fertilizers as herbicides seen in the light of new and old experiments. 7102

Tolerance and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Simazine. 7115

The effect of herbicide residue in the soil on the yield of winter wheat. 7123

Effects of organic arsenical herbicides on cotton response and chemical residues. 7222

Influence of simazine on apparent photosynthesis of aquatic plants and herbicide residue removal from water. 7305

HERBICIDE RESISTANT PLANTS

Conversion of 4-(2,4-dichlorophenoxy) butyric acid to homologs by alfalfa; mechanism of resistance to this herbicide. 7264

HERBICIDES

Pesticide use. 5779

Crop protection; computers, simazine, corn seed beetle. 5780

2,4-D metabolism. Enzymatic hydroxylation of chlorinated phenols. 5784

2,4-D metabolism; enzymatic degradation of chlorocatechols. 5785

Cotton as a supplement to tobacco. 5807

Notes on pesticides and weedicides. 5823

Herbicide action on Fusarium graminearum Schw. 5831

Growing vegetables in South Dakota. 5832

Lawn weed control with herbicides. 6310

Are herbicides doing their job . 6311

Weed control techniques aid trials with hedge row planting of blackcurrants. 6314

Weeds that make a comeback. 6315

Tests prove diphenamid effective as herbicide. 6316

Herbicide selectivity. 6317

Weed control and the economics of direct reseeding. 6318

Progress in witchweed control seen as pest fails to spread. 6319

Weed control in field brassica crops. 6321

Wetting agents, oils: Are they a plus for atrazine . 6322

Phosphoric triamide derivatives as herbicides. Patent 3,433,623. 6323

Use of herbicides in coffee nurseries with full exposure to sun. 6324

Results of herbicide tests carried out in 1966 by the Vegetable Protection Service. 6326

Problems of herbicide treatments in the potato crop. 6327

1968 cranberry weed control chart. 6330

The role of light, concentration, and species in foliar uptake of herbicides in woody plants. 6331

Weed control in corn. 6333

Halo-substituted phenoxyethyl carbamates and derivatives thereof. Patent 3,439,021. 6334

Control of the guanxumas roxa e branca in pasture with hormone-like herbicides. 6335

Results from experiments with herbicides for weed control in pea grain crops grown in Dobroudja. 6336

Application of herbicides in pulse crops. 6339

Herbicides for weed control in sweet potatoes. 6341

Ten keys to herbicide effectiveness. 6342

Herbicide versus cultivation for corn with two methods of seedbed preparation. 6343

Weed control in turf - 1967. 6345

After coton is up, here are ways to keep it clean. 6346

Gesatop - its uses in horticultural crops. 6347

Spraying pastures. 6348

Chemical growth inhibition in turf. 6349

Recent advances in perennial grass control in avocado orchards. 6350

Weed problems now and in the past. 6351

Chemical weed control in tropical root crops. 6352

Test weed killers yourself. 6353

The economic importance of early weed control in cereals. 6354

Selective control of hoary alyssum in alfalfa. 6355

Herbicidal N,N-dialkenyl-3-chlorobenzamides and method. Patent 3,436,208. 6356

Chemical weed control information for North Carolina, 1969. 6357

Weed control in California vineyards. 6358

Precision placement of herbicides for weed control in seedling alfalfa. 6359
Arsenic and low phosphate soils. 6360
Herbicidal control of western ironweed. 6363
Effects of methods of placement on performance of trifluralin, CDEC, and DCPA applied to soil. 6364
Cultural and chemical weed control in field crops, 1969. 6365
Weed control in field crops, 1969. 6366
Experiments on the use of new chemicals in weed control in maize. 6367
Matricaria and lambsquarter control in Brassicas with analogs of propachlor. 6368
The use of herbicides for site preparation and their effects on tree survival. 6369
Broadleaf weed control in rice. 6370
Weed control in nursery sod. 6371
Influence of certain insecticides applied for the control of Ostrinia nubilalis Hbn. on the weeds of treated surfaces. 6372
The effect of some herbicides on the nitrification in soils. 6373
Chemical weed control in groundnuts. 6374
Method for destroying undesirable plant life. Patent 3,450,520. 6375
Editorial: The problem of herbicides. 6376
Morphological transformations and lysis of Halobacterium salinarium by 4-(2,4-dichlorophenoxy)butyric acid and related compounds. 6377
Postemergence weed control in soybeans. 6378
Precision methods for better weed control. 6380
Weeds in barley and their control. 6381
Weed control in turf. 6382
Pre-emergence weed control in the nursery. 6383
Alligatorweed found in Arkansas. 6384
1967 guide to chemical weed control. 6385
Control of undesirable vegetation. Patent 3,436,207. 6386
Controlling weeds in turf. 6387
Herbicides in cotton and their compatibility with soil-applied insecticides. 6388
Influence of agrotechnical and chemical treatments on the changeableness of field plant associations. 6389
Brush research in Texas, 1968. 6390
Methods of chemical weed control. 6391
Study of certain herbicides against weeds in garden peas. 6392
Chemical weed control in sweet potatoes. 6396
Herbicidal treatment effect on carbohydrate levels of alligatorweed. 6397
Experimental husbandry farm experience with herbicides and tillage systems for cereal growing. 6399
Chemical weed control in peanut crops at Katherine, Northern Territory. 6400
Studies on the weed control in the paddy field. I. On the herbicidal weed control in wet and dry nurseries. II. On the herbicidal weed control at the early stage of rice plants in the paddy field. 6401
Effect of range treatment with 2,4-D on rodent population. 6408
New contributions to the subject 'birds and agriculture'. 6411
Locoweed poisoning. 6581
These weeds mean trouble. 7042
Soil factors contributing to atrazine carryover. 7084
Populations of dalapon-decomposing bacteria in soil as influenced by additions of dalapon or other carbon sources. 7093
Industrial fertilizers as herbicides seen in the light of new and old experiments. 7102
Tolerance and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Simazine. 7115
The effect of herbicide residue in the soil on the yield of winter wheat. 7123
Herbicide toxicity. 7155
Economic poisons containing certain pesticide chemicals for certain uses. Cancellation of registration. 7170
Cotton unaffected by systemics and herbicides. 7220
Effects of organic arsenical herbicides on cotton response and chemical residues. 7222
Influence of some herbicides on accumulation of 32P in above-ground organs of oats. 7223
The effect of some herbicides on weediness and yield of potatoes on alluvium soil. 7227
Growth characteristics and herbicide susceptibility of Texas Panicum. 7232
Influence of herbicides from s-triazine group on dynamics of some biochemical processes of oats in test experiments. Part II. Researches on action of propazine, prometrine, and prometone. 7248
Tobacco stalk and root destruction with herbicides and their effect on tobacco mosaic virus. 7249
Effect of the triazine herbicides simazine and atrazine upon young plum trees. 7260
Conversion of 4-(2,4-dichlorophenoxy) butyric acid to homologs by alfalfa; mechanism of resistance to this herbicide. 7264
Effects of selected herbicides upon growth of soil algae. 7265
The effect of the dose and method of using herbicide A-1802 and cultivation measures on weediness and yield of corn. 7269
The effect of herbicides and cultivation measures on the yield of corn. 7271
The effect of the application of herbicides in the control of weeds in corn fields. 7272
Microbial degradation of five substituted urea herbicides. 7276
Effects of herbicides on respiration of red pine seedlings. II. Monuron, diuron, DCPA, dalapon, CDEC, CDAA, EPTC, and NPA. 7290
Influence of simazine on chloroplast metabolism. 7294
Assimilation of the herbicide phenazone and its detoxication within plants. 7301
Cytogenic activity of the herbicides-simazine and maleic acid hydrazide. 7302
The mutagenic effect by the action of herbicides on barley. 7303
The influence of increasing doses of simazine upon the rate of root and green parts growth of winter wheat. 7306
The influence of increasing doses of simazine upon the rate of root and green parts growth of some weeds occuring in the winter wheat stand. 7307
Response of flax to postemergence herbicides. 7314
Chemical constitution and activity of bipyridylium herbicides- III Pyrazino(1.2.3.4-lmn)1,10-phenanthrolinium dibromide. 7330
Complex addition products of phosphorus pentafluoride and substituted nitriles. Patent 3,438,983. 7331
Alpha-(4-chloro-2-methylphenoxy) propionalides. Patent 3,439,018. 7332
A comparison of new techniques for the detection and determination of triazine herbicides separated by thin-layer chromatography. III. Fluorescence quenching. 7343
Herbicidal, halogenated urea derivative. Patent 3,431,289. 7344
Substituted and unsubstituted N-lower alkyl benzhydrylcarbamates as herbicides. Patent 3,431,099. 7358
Pyridine esters of cyclopropanecarboxylic acid. Patent 3,438,993. 7385
New equipment answer to demand for improved herbicide product. 7387
Application of herbicides and calibrating equipment. 7393
A sub-surface applicator for herbicides. 7399
Production and sales of pesticides show increase. 7409
Groundnuts. 7410

HERBS
Two methods of operating a vacuum sampler to sample populations of the cotton fleahopper on wild hosts. 5559

HEREDITARY DISEASES
A progressive spastic syndrome in cattle. 6481
Heredity and breeding measures taken against hip joint dysplasia of the dog. 6720

HEREDITY
Pre-disposing factors in mastitis. III. Genetic influences on udder health. 6778

HERMAPHRODITISM
A . hermaphrodite Quilaphoetosus janirioides (Blanchard). (Lepidoptera, Satyridae). 5363

HERNIA
Histologic features of atherogenesis and aortic rupture in turkeys. 6684

HERPES SIMPLEX
Comparative study of the Aujeszky virus and of the herpes simplex virus by the immunofluorescence method. II. Kinetic study of the herpes simplex virus by the immunofluorescence method. 6843

HERPESVIRUSES
Bovine herpes mammillitis virus. III. Observations on experimental infection. 6796
Herpesvirus in Marek's disease tumors. 6800
Cell culture techniques for primary isolation of Marek's disease-associated herpesvirus. 6872
Evidence for a herpesvirus as an etiologic agent of Marek's disease. 6873

HERSE CONVOLVULI
Cosymbia pupillaria Hbn. at an altitude of 3200 meters. 5099

HESPERIIDAE
Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. LXV. Lepidoptera Hesperiidae. 4998

HETERAKIS GALLINARUM
Experimental transmission of Histomonas meleagridis and Heterakis gallinarum by the sowbug, Porcellio scaber, and its implications for further research. 6830
Coumaphos, a new anthelmintic for control of Capillaria obsignata, Heterakis gallinarum, and Ascaridia galli in chickens. 6940

HETERODERA GLYCINES
Significance of males in reproduction of the soybean cyst nematode (Heterodera glycines). 6288

HETERODERA ROSTOCHIENSIS
Breeding potatoes for resistance to wart and golden nematode. 5828
Interactions of Oospora pustulans, Rhizoctonia solani and Heterodera rostochiensis on the potato. 5917
The golden nematode of potatoes and tomatoes. 6283
Regulation in connection with field and greenhouse culture of nursery plants. 6284
Losses caused by potato cyst eelworm in the Isle of Ely. 6286
The conditions for occurrence of potato root eelworm (Heterodera rostochiensis Woll.) in Poland. 6302

HETERODERA TABACUM
Injury to Heterodera tabacum by high soil temperatures. 6299

HETEROMETRUS FULVIPES
Unit-hair receptor activity from the telson of the scorpion, Heterometrus fulvipes. 5201
Perfusion fluid for the scorpion, Heterometrus fulvipes. 5510

HETEROPTERA
What is Psallus dilutus Fieber 1858 (Hem.,Het.,Miridae. 5165
Evolutionary trends in Heteroptera. Part I Eggs. architecture of the shell, gross embryology and eclosion. 5267
Reduction of flight organs in some cryptobrachypterous Lygaeidae (Hem., Het., Lygaeidae). 5398
Review of work on major insect pests of rice in Malaysia. Part I. Malayan region. 6281

HETEROSIS
A contribution to the knowledge of heterosis in potato. 5813
Influence of inbreeding carried out during many years on hemp growth and development. 7318

HETEROTYLENCHUS
Heterotylenchus spp. parasitising the Australian bush fly: Additional information on the origin of the parasite of the face fly. 5375

HEVEA
On some Scolytidae and Platypodidae of economic importance from the territory of Papua and New Guinea. 250. Contribution to the morphology and taxonomy of the Scolytoidea). 5142

HEXADECENOIC ACID COMPOUNDS, 9-
Fatty acid metabolism in D. melanogaster: Formation of palmitoleate. 5404

HIBERNATION
Field test of lindane against overwintering broods of the western pine beetle. 5094
Final report, studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan. June 1961 - June 1969. Part II. Fruit flies. 5324
Investigations concerning resistance to cold of Araneus cornutus (Araneidae). 5409
Determining suitable wintering and hatching regimes of the eggs of the silk worm (Bombyx mori L.). 5687
Plant protection. Bulletin of the plant protection station of Geneva. January. 5844
The olfactory bulb lesion in the hibenating squirrel (Citellus lateralis) infected with coxsackievirus B-3. I. Virus assay, light microscopic and immunofluorescent study. 6604
The olfactory bulb lesion in the hibernating squirrel (Citellus lateralis) infected with coxsackievirus B-3. II. Immunological study. 6816

HIDES
We lose 06 million a year through damage to hides - are you at fault . 7415

HILL REACTION
The effect of TMV on the Hill reaction in chloroplasts from various tobacco species with different resistance. 6060

HIP JOINT
Heredity and breeding measures taken against hip joint dysplasia of the dog. 6720

HIPPELATES
Effect of cultivation on emergence of eye gnats (Hippelates spp.) in South Carolina. 5320
2,3- Pentanedione as an attractant for Hippelates (Diptera: Chloropidae). 5771

HIPPELATES PUSIO
Attractants and attractant traps for eye gnats Hippelates pusio. 5770

HIPPOBOSCIDAE
Some birds of Uruguay parasitized by Ornithoctonia erythrocephala (Diptera, Hippoboscidae). 5754

HIRUDINEA
Histochemical and bacteriological studies on digestion in nine species of leeches (Annelida: Hirudinea). 6958
Neurosecretory cells in the ventral nerve cord of leech (Hirudinaria granulosa). 6973

HISTAMINE
Adrenergic mechanism in Bordetella pertusis treated animals. 6475
Mastocytosis with gastrointestinal ulceration in a dog. 6511
Effects of Echis carinatus venom on tissue and blood histamine and their relations to local tissue reactions and eosinophil changes. 7187

HISTERIDAE
Saprinus cuspidatus Ihssen from Finland (Coleoptera, Histeridae). 5149

HISTIDINE
Metabolic fate of histidine in the parasitic worm Fasciola hepatica L.. 6965

HISTOCHEMISTRY
On the presence of microtubules in the ergastoplasm and the perinuclear space of the oenocytoids of the migratory locust, Locusta migratoria migratorioides (R. and F.). 5256
Study of the hemocytes of Locusta migratoria L. (Orthoptera). 5367
Anthracnose in beans:Determination and variations in the malonic acid content in the different parts of healthy and parasitized plants. 5886
Histochemical premises to the study of the adrenal medullary tumors of cattle. 6703
Histochemical studies in chick ascaridiasis. 6925
Histochemical and bacteriological studies on digestion in nine species of leeches (Annelida: Hirudinea). 6958
Morphologic and histochemical studies on the nervous system of tapeworms revealed by the cholinesterase method (Taenia hydatigena, Dipylidium caninum and Moniezia expansa). 6963

HISTOLOGY
The hemlock sawfly in southeast Alaska. 5353
Use of histopathology indices of haemolymph for the prognosis of mass propagation of pests. 5434
Hepatic lesions in the rabbit caused by Vibrio sp. 6512
More abstracts of papers presented at the 1967 Annual Wildlife Disease Conference Urbana, Illinois June 15-16, 1967. 6533
Sites of avian leukosis virus multiplication in congenitally infected chickens. 6556
Histopathological examination of the kidneys of a ram who died of a urethral obstruction due to sedimentosis. 6646
Experimental paratuberculosis in sheep after oral, intratracheal, or intravenous inoculation: Lesions and demonstration of etiologic agent. 6672
Special reference to viral and P. P. L. O. infections. 6741

Neurosecretory cells in the ventral nerve cord of leech (Hirudinaria granulosa). 6973

An epidemiologic application of the study of DDE levels in whole blood. 7100

HISTOMONAS MELEAGRIDIS
Experimental transmission of Histomonas meleagridis and Heterakis gallinarum by the sow-bug, Porcellio scaber, and its implications for further research. 6830

HISTOPATHOLOGY
Chemosterilization of the two-spotted spider mite. I. Effect of chemosterilants on the biology of the mite. II. Histopathological effect of apholate and 5-fluorouracil on the reproductive organs. 5390

The study of virus epizootics in insect populations. 5625

Study of the synthesis of lysopine by tissue extracts of crown-gall in vitro. 5993

Remarks on the receptivity of new born lambs towards the foot-and-mouth disease virus. 6649

The histopathology of actinomycosis. 6705

Influence of a papilloma vaccine on chronic bovine enzootic hematuria. 6757

Thallium poisoning in dogs. 6884

Histopathology of parafilariasis in mules. 6932

HISTOPLASMA CAPSULATUM
Histoplasmic (Histoplasma capsulatum) infection in a horse. 6758

HISTOPLASMOSIS
Histoplasmic (Histoplasma capsulatum) infection in a horse. 6758

HISTORY
Weeds and man. 6325

Weed problems now and in the past. 6351

Rodent pests and their control. 6402

Agricultural pesticides and their detractors. 7080

Pesticide residues; history, alternatives and analysis. 7138

HOG CHOLERA
Hot debate boils over vaccines. 6469

Contribution to the importance of inoculation against hog cholera as a measure for eradication of this infection in Yugoslavia. 6558

Propagation of swine-fever virus in cell culture. 6655

Simultaneous prophylactic vaccinations of swine against hog cholera and pasteurellosis. 6673

The diagnosis of European swine fever. 6709

HOG CHOLERA VIRUS
Investigations on the viruses of the Orphan type occurring in pigs in Poland. VII. Influence of the Orphan virus L1 on the virus of hog cholera in swine kidney cell cultures. 6501

HOJA BLANCA
Hoja blanca disease of rice. 5938

Transmission of hoja blanca virus of rice. 5940

Varietal resistance to hoja blanca. 5990

Genetics of and breeding for resistance to rice virus diseases. 6111

HOLOTRICHIA SERRATA
Comparative efficacy and economics of various measures adopted for eradication of white grub beetle (Holotrichia serrata Fabricius) damaging sugarcane in Uttar Pradesh. 6204

HOMOPTERA
A summary of forest and shade tree insect-disease conditions for Maine 1967. 4979

Notes on the genus Elymana DeLong (Homoptera Cicadellidae). 5023

An acarid (Erythraeidae) parasite of Jassids (Homoptera, Auchenorrhyncha). 5249

Composition, structure, and mode of formation of mineral granules in the middle intestines of the homopteran Cercopidae. 5334

Guide lines for the testing of materials San-Jose scale insect (SJS). 6241

Review of work on major insect pests of rice in Malaysia. Part I. Malayan region. 6281

HOPS
Influence of magnesium and zinc fertilizing on the yield, quality as well as health of hops. 7266

HORMONES
Bracken and locust ecdysones: Their effect on molting in the desert locust. 5251

Action of proteinic brain hormone to the prothoracic gland in an insect, Bombyx mori L. (Lepidoptera: Bombycidae). 5412

Production of dauer pupae in Bombyx mori L. 5482

Hormonal control of the reproductive diapause in the grasshopper, Oedipoda miniata. 5522

Sex pheromones of noctuid moths. XIII. Changes in pheromone quantity, as related to reproductive age and mating history, in females of seven species of Noctuidae (Lepidoptera). 5603

A relationship between ionic environment and hormonal activation of phosphorylase in an insect. 5629

Postnatal treatment of the cabbage aphid with a synthetic juvenile hormone. 5676

Improving egg quality in poultry by orally administering androgens. Patent 3,438,783. 6433

Abortion in cattle associated with the feeding of poultry litter. 6679

The role of the hypophyseal-suprarenal system in the etiopathogenesis of primary ketosis in cattle. 6767

The control and treatment of posthitis. 6829

HORSEMEAT
Salmonella in meat imported from South American countries. 7064

HORSERADISH
Formation of symmetrical azo derivatives of monochlorotoluidines by peroxidatic catalysis. 7259

HORSES
Shell products for animal health. 6423

On the granular dermatitis in horses which contains a kind of true fungus in the foci II. 6460

Isolation of equine rhinopneumonitis virus from acute respiratory disease in a horse in Queensland. 6480

Promazine hydrochloride in endotoxin shock in a horse (a case report). 6525

Vaccination of the horse for equine influenza with an uncomplemented polyvalent vaccine. 6534

An enzooty of strangles caused by virus A2 equi Miami 63 in the region of Lyon. 6656

Outbreak of influenza A/equi 2 in Italy. 6756

Histoplasmic (Histoplasma capsulatum) infection in a horse. 6758

Studies on the intraocular inoculation of dogs with various strains of leptospires. 6863

Investigations of antiviral substances present in normal horse and calf sera. 6883

Echinococcus granulosus equinus Williams and Sweatman, 1963 in italy; epizootiological aspects and morphological and biological studies of the parasite. 6968

Further experiments on the treatment of Strongyloides infestation of horses with thiabendazole. 7011

HORTICULTURE
Horticulture. 5825

Plant protection. Bulletin of the plant protection station of Geneva. January. 5844

Plant protection. Bulletin of the plant protection station of Geneva. 6094

1967 guide to chemical weed control. 6385

An injection method for treating Hemerocallis spikes with colchicine. 7229

HOST INDEXING (PLANTS)
Contribution to the study of Aphididae (Hom) of the French forests. 5087

Final report. Studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan, June 1961 - June 1966. Part III. Mites. 5325

Aphidofauna of honey plants as a source of subsidiary hosts of aphidiid wasps (Hymenoptera, Aphidiidae). 5628

Immature stages of Elasmotropis testacea (H. - S.) and notes on the bionomics of the species (Heteroptera, Tingidae). 5632

Some problems of plant-parasite relationship. 5838

Occurence and host range of Ascochyta phaseolorum in Queensland. 5862

Studies on host range of PVY - group viruses in leguminous plants in Japan, and the identification of them by the selected differential test plants. 5971

The amount of foliage consumed or destroyed by laboratory-reared larvae of the black-headed budworm, Acleris variana. 6272

HOST PLANTS
The distribution and host-range of the Shot-hole Borer (Xyleborus fornicatus Eichh.) of tea. 5278

HOST RANGE
Host range studies of oat blue dwarf virus. 6274

HOST RECORDS

New Speleognathinae from Central and South American mammals (Acarina, Trombidiformes).
5011

Cercosporidium helleri on Sphenoclea zeylanica--a new record for India.
6042

HOST RELATIONSHIPS

Some observations on the chaetotaxy of the legs of larval Ixodidae (Acari: Metastigmata).
5025

Description and taxonomic position of the DD-136 nematode (Steinernematidae, Rhabditoidea) and its relationship to Neoaplectana carpocapsae Weiser.
5533

Figs (Ficus spp.) and fig-wasps (Chalcidoidea).
6190

The geographical and evolutionary relationships of Australian trichostrongyloid parasites and their hosts.
6955

HOT WATER TREATMENT (PLANTS)

Nitrogen increases bell pepper susceptibility to bacterial soft rot.
7309

HOUSEHOLD INSECTS

Ants in the home and garden; how to control them.
5184

Control of household insects.
5593

HOUSEHOLD PESTS

Pesticide safety in your home.
5284

Insects and related pests of house plants; how to control them.
5395

HUMAN DISEASES

Features of microclimatic regimen of habitats of sandflies in a village of Karshinsky Oasis.
5329

Aggressiveness of different species of sandflies towards man and their infection rate with L. tropica major at the moment of blood-sucking.
5694

Falciparum malaria transmissible from monkey to man by mosquito bite.
5751

Culex nigripalpus: Seasonal shift in the bird-mammal feeding ratio in a mosquito vector of human encephalitis.
5753

Five new cases of Chagas' disease in Zacatecas and Jalisco in the Republic of Mexico.
5760

Species of Borrelia from a Columbian bat. (Natalus tumidirostris).
5762

Malaria and victory in Vietnam.
5763

Public health pesticides.
5764

Immunologic structure of the population in a foothill Taiga focus of tick-borne encephalitis in the Zone of Construction of the Krasnoyarskaya Hydropower Station after realization of tick control measures.
5766

Effects of sublethal doses of DDT on the reproduction and susceptibility of Culex pipiens L.
5773

Are sick plants dangerous.
5943

Ergot disease of bajra--its symptoms and control.
6100

Tropical nematology.
6305

Avian reoviruses. IV. Relationship to human reoviruses.
6548

Infectious disease review: newer concepts of rabies.
6563

Preliminary results in a study of natural foci of tularemia in the Sisak-Gusce-Popavaca region of Croatia. (JPRS 44,159).
6623

The effect of social and economic changes in the People's Republi c of Bulgaria on morbidity from anthrax.
6661

Prevalence of Sindbis virus antibodies in an Egyptian rural community.
6710

Bovine brucellosis and infectious abortion.
6730

Preparation of stable noninfective influenza virus antigens for typing by hemagglutination-inhibition.
6773

A study of the relationship between the serological Salmonella types isolated from humans and from foodstuffs.
6774

Western Encephalitis virus in Alberta.
6812

Chemical molluscacides and the prophylaxis of helminthiases which can be transmitted to man by freshwater Gasteropods.
6934

Salmonella control programs: Baking industry.
7049

Dry milk equipment design and its relation to the salmonella problem.
7065

Table of human infections. In: Diseases of man acquired from his pets.
7146

Maximum place of work concentrations of health-endangering industrial materials.
7154

Treatment of topical fungus infections with dichlorodiphenyltrichloroethane. Patent 3,389,049.
7163

Salmonella control program - Michigan.
7422

HUMAN NUTRITION

Report on experiments with varieties of medium early to late potatoes for human consumption and industrial use 1964-1966 (series 46).
5806

HUMANS

Sex-Determination.
5273

An enzooty of strangles caused by virus A2 equi Miami 63 in the region of Lyon.
6656

Thorny-headed worm infection in North American prehistoric man.
6974

An epidemiologic application of the study of DDE levels in whole blood.
7100

Pesticide residues; history, alternatives and analysis.
7138

Notes on precautions to be taken in the use of spray chemicals.
7159

Poisoning on the farm. A report of a case of organophosphorus poisoning. (abstract).
7197

HUMIC ACIDS

Interaction of pesticides with natural organic material.
7081

HUMIDITY

Some regularities in the zonal distribution of oribatoid mites.
5421

Temperature and humidity effects on the oviposition of Hyalomma aegyptium ticks of different engorgement weights.
5637

Factors affecting infection of balsam fir (Abies balsamea) by Stereum sanguinolentum in Quebec.
5924

Factors influencing disease development of putting green turf.
5956

Disulfoton as a systemic insecticide for control of adult white-fringed beetles on peanuts.
6153

Effect of climatic factors on the susceptibility of insects to insecticdes.
6251

On the permanent bedding of chicken. Some technical and hygienic-sanitary questions.
6414

The importance of relative humidity in the storage of cereals.
7028

Reduction in aflatoxin contamination of rice by milling procedures.
7200

Recovery from gamma radiation injury in barley seeds.
7256

HYACINTH DOLICHOS

Pests of legume seed crops in north Queensland.
6245

HYALOMMA AEGYPTIUM

Temperature and humidity effects on the oviposition of Hyalomma aegyptium ticks of different engorgement weights.
5637

HYALOMMA DROMEDARII

Changes in neurosecretory activity at different stages in the adult Hyalomma dromedarii Koch, 1844.
5287

HYALOPHORA CECROPIA

Artificial diet for cecropia and other saturniid silkworms.
5560

An anion-stimulated adenosine triphosphatase from the potassium-transporting midgut of the larva of Hyalophora cecropia.
5651

HYBRIDS

Interrelationships of Ledum species and their rust parasites in Western Canada and Alaska.
6067

HYDRACRYLIC ACID BETA-LACTONE

Immune response of chickens to six strains of Newcastle disease virus as measured by hemagglutination-inhibition test.
6517

HYDRAZINE

Techniques for the systematic control of anthelmintics. gastrointestinal nematodes. Tests with a series of indole-hydrazines.
7194

HYDROCARBONS

Mosquito control agents derived from petroleum hydrocarbons. III. The effect of FLIT MLO on first and second larval instars.
5470

A chemotherapeutic treatment for selectively eradicating crown gall and olive knot neoplasms.
6071

Process for destroying microorganisms in agriculture. Patent 3,444,301.
7380

HYDROGEN

Synthetic routes to 1,1,1-trichloro-2,2-Bis(p-chlorophenyl) ethane-2-d, deutero-DDT.
5774

HYDROGEN PEROXIDE

Glucose-dependent secretion and destruction of hydrogen peroxide by Mycoplasma pneumoniae.
6526

HYDROGEN-ION CONCENTRATION
Perfusion fluid for the scorpion, Heterometrus fulvipes. 5510
The oxygen binding properties of some larval hemoglobins of Chironomus th. thummi. 5606
An anion-stimulated adenosine triphosphatase from the potassium-transporting midgut of the larva of Hyalophora cecropia. 5651
Urine pH changes in cattle infected with foot-and-mouthdisease virus. 6535
Influence of some preparations applied into the udder on the pH, microscopic cellular appearance, California Mastitis Test and on the content of catalase and chlorides in milk. 6837
Neuraminidase activity of the Newcastle disease virus. 1. A study of the enzyme activity in differently cultivated strains. 6847
Ammonia poisoning in carp. 3. The oxygen content as a factor influencing the toxic limit of ammonia. 7208
The effect of some treatment conditions on the radiomimetic activity of 1-methyl-3-nitro-1-nitrosoguanidine in plants. 7258

HYDROLYSIS
Trehalose regulation of gucose-6-phosphate hydrolysis in blowfly extracts. 5317
Soil degradation of diazinon, a phosphorothioate insecticide. 7118
Nuclear magnetic resonance studies of phosphorus(V) pesticides- III, the hydrolysis of aliphatic pesticides by aqueous solutions. 7347

HYDROQUINONE
Morphological transformations and lysis of Halobacterium salinarium by 4-(2,4-dichlorophenoxy)butyric acid and related compounds. 6377

HYDROXY-N-METHYL-CIS-CROTONAMIDE DIMETHYL PHOSPHATE, 3-
All we know about pink bollworms. 6271
Air blast sprayer covers 24 rows. 7400

HYDROXY-6,7-DIMETHOXYDIFUROXANTHONE, 3-
3-hydroxy-6,7-dimethoxydifuroxanthone - a new metabolite from Aspergillus flavus. 7383

HYDROXYCARBOXYLIC ACIDS
Pesticidal compositions comprising N-substituted gamma hydroxycarboxylic acid amides. Patent 3,436,463. 7359

HYDROXYL
2,4-D metabolism. Enzymatic hydroxylation of chlorinated phenols. 5784

HYDROXYLAMINE
Initiation of polyhedrosis production in vitro. 5685

HYGIENE
Pest control as an occupation, formerly and now. II. 5808
On the permanent bedding of chicken. Some technical and hygienic-sanitary questions. 6414

HYLEMYA ANTIQUA
Olfactory response of larvae of the onion maggot, thylemya antiqua Meigen (Diptera: Anthomyiidae) to organic sulfur compounds. 5458

HYLOBIUS
The use of insecticides in the Swedish forestry. 6213

HYMENOPTERA
A summary of forest and shade tree insect-disease conditions for Maine 1967. 4979
Bees of the Nevada Test Site. 4986
Notes on the Trigonoderus-group (Hym., Chalcidoidea). 5056
Contribution to the knowledge of Indo-Australian, South Pacific and East Asiatic Psenini genus Psen latreille (Hymenoptera, Sphecidae). 5092
Two species of Copidosoma parasitic on the potato tuber moth (Hymenoptera: Chalcidoidea-Encyrtidae). 5151
Discovery of the genus Anusioidea Girault from Asia (Hymenoptera: Chalcidoidea-Encyrtidae). 5152
A new name for Metaphycus eriococci Alam (Hymenoptera: Chalcidoidea-Encyrtidae). 5153
On some Sphecoidea from the Ryukyus (Hymenoptera). 5157
Spider wasps of Finland (Hym., Pompiloidea). 5171
Friedrich Klugs material of Scoliidae with especial reference to his type-specimens. 5239
Phoretic copulation in Hymenoptera. 5298
Blacus-dances, experiences and studies (Braconidae, Hymenoptera). 5343
Decrease in immunity of insects under the influence of bacterial infection transmitted by hymenopterous parasites. 5385
Polynema striaticorne Girault (Hymenoptera: Mymaridae), a parasite of the buffalo treehopper, Stictocephala bubalus (F.) (Homoptera: Membracidae), in Quebec. 5465
How do native insect parasites behave in relation to imported insect hosts, alien to the native fauna 5695
Old pests with new appetites. 6215

HYOSTRONGYLUS RUBIDUS
Anthelmintic treatment of sows with thiabendazole. 7015

HYPERA POSTICA
Alfalfa insects in Ohio. 6158
Control of insects on alfalfa and red clover. 6185
Alfalfa weevil control, 1969. 6206
Grow alfalfa in spite of the weevil. 6277

HYPERA PUNCTATA
Control of insects on alfalfa and red clover. 6185

HYPERPARASITISM
Aphytis mytilaspidis (Le Baron), a parasite of Parlatoria blanchardi (Targ) in the palm plantations of the Adrar region of Mauritania. 6211

HYPERPARATHYROIDISM
Suspected primary hyperparathyroidism in the dog. 6601

HYPERPHOSPHATEMIA
Some observations of hypomagnesemic tetany in cattle. 6606

HYPERTROPHY
Notes on the spontaneous pathology of the dog in the laboratory. 3rd note: Concerning a spontaneous hepatectomy . 6452

HYPHAE
Fungal polysaccharide composition and method for making same. Patent 3,436,311. 7244

HYPHANTRIA CUNEA
Effect of food availability on rates of loss of 45calcium from Hyphantria cunea (Lepidoptera: Arctiidae). 5268
The use of microbiological preparations in plant protection based on entomopathological bacteria Bacillus thuringiensis. 5801

HYPOCALCEMIA
Some observations of hypomagnesemic tetany in cattle. 6606

HYPODERMA BOVIS
Development course of northern cattle grub, Hypoderma bovis, male reproductive cells. 5666

HYPODERMELLA
A new needle disease of hard pines in Oregon and California. 5884

HYPOMAGNESEMIA
Some observations of hypomagnesemic tetany in cattle. 6606
Hypovitaminosis A and hypomagnesaemia of swine. 6882

HYPOPLASIA
Testicle hypoplasia in a boar of the Gottinger miniature swine breed. 6792

HYPOXYLON FRAGIFORME
The developing ascospore wall of Hypoxylon fragiforme. 5794

HYSTERECTOMY
Effect of exogenous progesterone on Corpora lutea in unilaterally hysterectomized heifers. 6876

HYSTRICHOPSYLLIDAE
Evansipsylla thysanota, a new genus, new species of flea from Nepal (Siphonaptera: Hystrichopsyllidae). 5156

ICHNEUMONIDAE
Burmese Ichneumoninae IV. 5057
Hadrodactylus branderi n. sp. (Hym., Ichneumonidae) from Finland. 5076
A new species of Trachysphyrus from the Andes of Ecuador (Hymenoptera, Ichneumonidae). 5124
Evaluation of some parameters of the individual energy budget of the larvae of Pteromalus puparum (L.) (Pteromalidae) and Pimpla instigator (Fabr.) (Ichneumonidae). 5264
Notes on Banchopsis ruficornis Cameron (Hym.: Ichneumonidae) an internal larval parasite of Heliothis armigera (Hubner) in India. 5457
Intraspecies competition in a field population of Gregopimpla himalayensis (Hymenoptera: Ichneumonidae) parasitic on Malacosoma neustria testacea (Lepidoptera: Lasiocampidae). 5600
Functional response to host density in a parasitic wasp, with reference to population regulation. 5640

IDOXURIDINE
Avirulent mutant of Aujeszky's virus, induced by 5-iodo-2-deoxiuridine (IUDR). 6838

ILLUSTRATIONS

Flukea vockerothi, a new genus and new species of Chilean Syrphidae (Diptera). 5027

Genitalia of the types of Chilean Satyridae on deposit at the British Museum. 5061

The morphology and systematic of Coptopteryx gayi (Blanchard) 1851 (Mantidae). 5176

Fowl pox inclusion-body formation in skin epithelium of chicks. 6817

IMIDAN

Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen. 6150

IMIDAZOLIDINONE, 5-

Studies on the mode of action of the chemosterilants 5-imidazolidinone and 4-imidazolin-2-one in the house fly and in the large milkweed bug. 5591

IMIDAZOLIN-2-ONE, 4-

Studies on the mode of action of the chemosterilants 5-imidazolidinone and 4-imidazolin-2-one in the house fly and in the large milkweed bug. 5591

IMMUNITY

Evidence of a nonspecific type resistance to insecticides by a resistant strain of the tobacco budworm. 5516

Linkage of gold, its recessive lethality and sex-related variation in crossing-over in Culex pipiens (Diptera: Culicidae). 5722

Immunologic structure of the population in a foothill Taiga focus of tick-borne encephalitis in the Zone of Construction of the Krasnoyarskaya Hydropower Station after realization of tick control measures. 5766

Synthetic routes to 1,1,1-trichloro-2,2-Bis(p-chlorophenyl) ethane-2-d, deutero-DDT. 5774

Some problems of plant-parasite relationship. 5838

Chemical control of codling moth with DDT and sevin, the resistance problem of codling moth to DDT and additional observations on the effect of fruit thinning of sevin. 6195

On the bacterial effect of ionizing irradiation on certain microorganisms. Second communication. A study of the bactericidal effect of gamma rays on certain bacteria and the spores of Bac. anthracis. 6425

Suitable blood sources permitting reacquisition of infectivity by culture-form Trypanosoma (Trypanozoon) brucei. 6461

Role of complement in immune inactivation of Mycoplasma gallisepticum. 6486

A note on homologous strain immunity in Babesia argentina infections. 6509

Equine influenza in Mexico. Isolation and study of the strain E/Equi 2/ Mexico/1/66. 6538

Trypanotolerant cattle, Breeding in Central African Republic. 6550

The effect of antibiotics on the immunity development to pasteurellosis in swine. 6592

Genetic resistance to leukosis caused by the JM virus in the fowl. 6612

The incidence of drug resistant strains of Eimeria in chickens in Great Britain, 1966. 6629

Resistance of vaccinated mice to typical and atypical strains of Coccidioides immitis. 6635

Immunogenic properties of polyvalent and associated emulsion vaccine against paratyphoid fever and brucellosis of sheep. 6637

In vivo growth and distribution of anthrax bacilli in resistant, susceptible, and immunized hosts. 6653

Control of Marek's disease by the use of inoculated chicken embryo fibroblasts. 6677

Prevalence of Sindbis virus antibodies in an Egyptian rural community. 6710

A study of experimental ornithosis in the white mouse infected through the peritoneal cavity. 6751

Rinderpest protection in cattle by measles virus. Application in calves with passive immunity from maternal antibodies. 6779

Avian leukosis-sarcoma viruses and antibody in field flocks, and their relationship to leukosis mort ality. 6784

Colostral immunity against salmonella infection in calves. 6794

Experimental studies on bovine tick-borne fever. 1. Clinical and haematological data, some properties of the causative agent, and homologous immunity. 6844

Trichinella spiralis: Immune elimination in mice. 6935

The numbers and dynamics of eggs produced by a trematode Apatemon gracilis (Yamaguti, 1933) in relation to the age of a host and post-infection immunity. 6995

Conversion of 4-(2,4-dichlorophenoxy) butyric acid to homologs by alfalfa; mechanism of resistance to this herbicide. 7264

IMMUNIZATION

Nitrogenous compounds in the xylem sap of American elms with Dutch elm disease. 6083

Recent trends in disease control in coffee. 6099

The use of measles vaccines in the immunization of the dog. 6453

Sprayable or subcutaneously adminstrable vaccine for the immunization of mustelines against distemper and process for its preparation. Patent 3,420,934. 6454

Newcastle disease in poultry. 6455

Studies on an ocular infectious laryngotracheitis vaccine. 6459

A new fowl pox vaccine. 6467

Immuno-fluorescent study of antibody formation in immunization of guinea pigs with a live brucella culture. 6478

A note on homologous strain immunity in Babesia argentina infections. 6509

Immune response of chickens to six strains of Newcastle disease virus as measured by hemagglutination-inhibition test. 6517

Vaccination of bulls against bovine vibriosis. 6521

The immunity induced in cattle and sheep by inoculation of neurotropic or pantropic Rift Valley fever viruses. 6523

Cross-protection against Salmonella enteritidis infection in mice. 6528

Vaccination of the horse for equine influenza with an uncomplemented polyvalent vaccine. 6534

Contribution to the importance of inoculation against hog cholera as a measure for eradication of this infection in Yugoslavia. 6558

A proposed method of premunizing cattle with minimum inocula of Anaplasma marginale. 6579

Bovine respiratory disease, diagnosis and control. 6593

Immunization against East Coast Fever using tick infections and chlortetracycline. 6643

Early antibody response in mice to either infection or immunization with Salmonella typhimurium. 6665

Simultaneous prophylactic vaccinations of swine against hog cholera and pasteurellosis. 6673

A formalinized and adjuvanted rabies vaccine of tissue culture origin. 6683

Bovine brucellosis and infectious abortion. 6730

A comparative study of morphologic changes within Hep-2 culture cells inoculated with various adenovirus serotypes. 6744

Antibody response in animals immunized with different types of anthrax vaccine. 6755

Resistance against canine distemper induced by measles virus. I. Measles vaccination in the presence of distemper antibodies. 6782

Effects of ration energy level, vaccination, and antibiotics on feedlot performance of range lambs. 6795

Coli dysentery (colibacillosis) of suckling pigs. 6807

The canine leptospiroses. 6848

Virus hepatitis of ducks. 6. Communication: Passive immunization of ducklings by vaccinating parent ducks. 6858

IMMUNOCHEMISTRY

Immunotaxonomic investigations of the Coleoptera. 5007

Serological identification. 5280

The classification of strains of Bacillus thuringiensis on the basis of the antigenic patterns of the toxic protein inclusions. 5521

Serological differentiation of Pythium aphanidermatum from Phytophthora parasitica var. nicotianae and Ph. parasitica. 6021

Electronmicroscopic, cytochemical and immunochemical study of B. anthracis and B. cereus. 6477

Antigens of Brucella abortus. I. Chemical and immundelectrophoretic characterization. 6628

Ovine anti-brucellosis serology. Vaccine and infectious antibodies. Serums negative to the seroagglutination of Wright and positive to complement deviation. 6689

Preparation of stable noninfective influenza virus antigens for typing by hemagglutination-inhibition. 6773

Investigations of antiviral substances present in normal horse and calf sera. 6883

IMMUNODIAGNOSIS
Studies on infectious laryngotracheitis (ILT) virus of poultry. II. Survey of the infection by immuno-diffusion test. 6776

IMMUNOFLUORESCENCE
The olfactory bulb lesion in the hibenating squirrel (Citellus lateralis) infected with coxsackievirus B-3. I. Virus assay, light microscopic and immunofluorescent study. 6604
The experience with the indirect immunofluorescence application to the rabies virus identification. 6632
On the employment of egg yolk in immunofluorescent diagnosis of anthrax. 6682
The diagnosis of European swine fever. 6709
Detection of pseudorabies virus by immunofluorescence. 6833
An autoradiographic and immunofluorescent study of the infectious cycle of sheeppox virus in cell cultures exposed to 5-fluorodeoxyuridine. 6855

IMMUNOGENICITY
Study on the immunogenicity of cocoa beans. 7024

IMMUNOLOGY
Decrease in immunity of insects under the influence of bacterial infection transmitted by hymenopterous parasites. 5385
Immunity in the invertebrates. I. Studies on the naturally occurring haemagglutinins in the fluid from invertebrates. 5462
Arbovirus-erythrocyte interaction. Adsorption, elution and neutralization of virus. 6589
Anticoagulant resistance. (Part 2). 6640
Vaccination of cattle against epizootic bovine abortion. 6715
Immunoglobulin development in sera of pigs injected with killed suspensions of Salmonella choleraesuis. 6788
Studies on goat-pox virus. II. Serological reactions. 6806
The olfactory bulb lesion in the hibernating squirrel (Citellus lateralis) infected with coxsackievirus B-3. II. Immunological study. 6816
The evaluation of the metabolic-inhibition technique for the study of Mycoplasma gallisepticum. 6839
TGE prevention your goal. 6845

IN VITRO
The in vitro pathogenesis of insect viroses. 5307

INCISALIA IROIDES
Foodplants of Callophrys (Incisalia) iroides. 5536

INCLUSION BODIES
Ultrastructure of the secretory inclusions of the salivary gland cell in Drosophila. 5562
Unusual filamentous structures in the paragonia of male Drosophila. 5742
Electron microscopic observations of inclusion bodies in swinepox. 6735
A case of pruriginous rabies in goats. 6742
Crystalline inclusions in Bacillus thurineiensis. 6747
Fowl pox inclusion-body formation in skin epithelium of chicks. 6817
The influence of cortisone and low environmental temperature on experimental infectious canine hepatitis in the guinea-pig. 6878

INCLUSION-BODY RHINITIS VIRUS
Pathology of extranasal lesions in experimental inclusion-body rhinitis of pigs. 6664

INDEXING
Proceedings of the Entomological Society of Ontario. 5158

INDIA
Studies on the age composition of Anopheles culicifaces populations in India at different phases of development of resistance to DDT. 5159
Karyological studies on the Indian spiders. VIII. Mitosis and meiosis in two species belonging to the family Gnaphosidae. 5478

INDOLE
Bromolysergic acid diethylamide in physiological studies of lepidopterous larvae. 5199
Techniques for the systematic control of anthelmintics. gastrointestinal nematodes. Tests with a series of indole-hydrazines. 7194

INDOLEACETIC ACID
Effects of indoleacetic acid on intracellular distribution of Beta-glucanase activities in the pea epicotyl. 7237
Cytochemical effects of indoleacetic acid and kinetin on megagametophytic development in Lilium. 7245
The influence of indole-3-acetic acid and vitamin B1 on the growth and yields of sunflower plants. 7261
Interaction of CCC and Coumarin or IAA on seedling growth of rice. 7274
On the mechanism of gibberellin-auxin interaction. IV. Effect of gibberellin treatment on the oxidative destruction of indoleacetic acid in bean hypocotyl tissues. 7310

INDUSTRIAL MEDICINE
On the use of TEGO 51 in animal food industries--toxicity and bactericidal properties. 7067

INDUSTRIAL WASTES
Estimation of DDT in factory waste. 7372

INDUSTRY
Study on the immunogenicity of cocoa beans. 7024
Maximum place of work concentrations of health-endangering industrial materials. 7154
We lose 06 million a year through damage to hides - are you at fault . 7415

INFECTIOUS BOVINE RHINOTRACHEITIS VIRUS
Bovine respiratory disease, diagnosis and control. 6593

INFECTIOUS BRONCHITIS
Special reference to viral and P. P. L. O. infections. 6741
Occurrence of infectious bronchitis of poultry in India. 6853

INFECTIOUS CANINE HEPATITIS
The influence of cortisone and low environmental temperature on experimental infectious canine hepatitis in the guinea-pig. 6878

INFECTIOUS DISEASES
Some experiments on the transmission of Cymbidium mosaic virus and Odontoglossum ringspot virus. 5970
Bordetella bronchiseptica and infections of the nasal cavity in swine. 6457
Studies on an ocular infectious laryngotracheitis vaccine. 6459
Pig diseases. 6489
The organization of the collective prophylaxis of infectious animal diseases in France. 6520
Infectious disease review: newer concepts of rabies. 6563
The treatment of coccidiosis in domestic ruminants with Amprolium . 6603
The characteristics of Staphylococcus aureus isolated from cases of staphylococcosis in poultry. 6614
Preliminary results in a study of natural foci of tularemia in the Sisak-Gusce-Popavaca region of Croatia. (JPRS 44,159). 6623
Central-nervous-system lesions of spontaneous Pasteurella anatipestifer infection in ducklings. 6654
An unusual case of pseuoomonas conjunctivitis in a Siamese cat. 6663
Ovine anti-brucellosis serology. Vaccine and infectious antibodies. Serums negative to the seroagglutination of Wright and positive to complement deviation. 6689
Diarrhoea in pigs. 6699
The control of contagious abortion. 6702
Staphylococcus epizootic in western Oregon cottontails. 6712
Cause and prevention of epizootic bovine abortion. 6716
Effects of Salmonella senftenberg injection on chicks hatched from eggs in treatment of testosterone propionate. 6736
Colostral immunity against salmonella infection in calves. 6794
Epidemic prophylaxis and control of infectious diseases in large modern poultry farms. 6801
Contribution to atrophic rhinitis in pigs. 6803
Dynamics of Salmonella infection in chicks reared on litter. 6823
TGE prevention your goal. 6845
The impala as a source of food and by-products. Data on production potential, parasites and pathology of free-living impalas of the Kruger National Park. 6880
Blood parasites found in imported birds at postmortem examination. 6987
Salmonella control programs: Baking industry. 7049

Tests with a combination preparation for the treatment of infectious diseases of microbial origin. 7148

Salmonella control program - Michigan. 7422

INFECTIOUS LARYNGOTRACHEITIS
Studies on an ocular infectious laryngotracheitis vaccine. 6459

Special reference to viral and P. P. L. O. infections. 6741

A preliminary report on the incidence of infectious laryngotracheitis (ILT) of poultry by gel-diffusion test. 6852

INFECTIOUS LARYNGOTRACHEITIS VIRUS
Studies on infectious laryngotracheitis (ILT) virus of poultry. I. Isolation and identification of the virus. 6775

Studies on infectious laryngotracheitis (ILT) virus of poultry. II. Survey of the infection by immuno-diffusion test. 6776

INFESTATION
Domestic quarantine notices. White-fringed beetle. 5620

Concerning the problem of controlling the occurence, as well as estimating the degree of infestation of tree stands by Ips typographus L. 6263

Snails and slugs in Central California. 6413

INFLAMMATION
A mycoplasma associated with ovine orchitis. 6714

INFLUENZA VIRUSES
A new influenza A virus infection in turkeys. IV. Experimental susceptibility of domestic birds to virus strain turkey/Ontario 7732/1966. 6737

A new influenza A virus infection in turkeys. V. Pathology of the experimental disease by strain turkey/Ontario 7732/66. 6738

Preparation of stable noninfective influenza virus antigens for typing by hemagglutination-inhibition. 6773

INFRARED SPECTRA
2,4-D metabolism. Enzymatic hydroxylation of chlorinated phenols. 5784

DDT and related chlorinated hydrocarbons: Their metabolism in the chick and their induction of microsomal ensymes. 7142

INHERITANCE
Co-resistance and resistance inheritance in a dieldrin resistant laboratory stock of the clothes moth (Tineola bisselliella (Hum.), Lep.). 5423

Inheritance of mosaic resistance in sugarcane. 6084

INHIBITORS
Inhibition of DNA-DEPENDENT RNA polymerase by the exotoxin of Bacillus thuringiensis var. gelechiae. 5597

Salicylanilides: A new group of active uncouplers of oxidative phosphorylation. 5679

Crown gall: Effect of temperature on tumorigenesis in pea seedlings. 5988

Effects of aflatoxin B1 on polysomal profiles and RNA synthesis in rat liver. 6793

Penicillin and other inhibitory substances in milk: The development and application of a routine test in New Zealand. 7061

An injection method for treating Hemerocallis spikes with colchicine. 7229

Substituted phenyl-N-methylcarbamates. Cholinesterasis inhibition and insecticidal action. 7382

INJECTIONS
Evidence of a nonspecific type resistance to insecticides by a resistant strain of the tobacco budworm. 5516

Timing insecticide applications for European corn borer control in Southwestern Quebec, 1967. 6194

DDT-C14 translocation in alfalfa. 6270

Management of allergic disease by hyposensitization. 6482

Treatment of anal tumors with Honvan-Asta. 6559

Pathology of extranasal lesions in experimental inclusion-body rhinitis of pigs. 6664

Experimental paratuberculosis in sheep after oral, intratracheal, or intravenous inoculation: Lesions and demonstration of etiologic agent. 6672

Studies on the intraocular inoculation of dogs with various strains of leptospires. 6863

The influence of cortisone and low environmental temperature on experimental infectious canine hepatitis in the guinea-pig. 6878

A single-spore analysis of rust pustules produced by mixing isolates of two races of Puccinia coronata var. avenae. 7023

An injection method for treating Hemerocallis spikes with colchicine. 7229

The distribution of trace elements in the leaves of the coconut palm, and the effect of trace element injections. 7297

INJURIES
Observations and ethological considerations on lesions caused by faults in the construction of stalls in some cattle herds. 6450

Magnetic probes in prophylaxis and therapy of traumatic reticuloperitonitis in cattle. 6514

Contribution to the traumatic splenitis and hepatitis in cattle. 6740

INORGANIC COMPOUNDS
Corn lodging. I. Relations between soluble solids, inorganic phosphates and basal stalk and root rots in mature plants. 6066

INSECT ABNORMALITIES
A hermaphrodite Quilaphoetosus janirioides (Blanchard). (Lepidoptera, Satyridae). 5363

Mosquito control agents derived from petroleum hydrocarbons. III. The effect of FLIT MLO on first and second larval instars. 5470

Postnatal treatment of the cabbage aphid with a synthetic juvenile hormone. 5676

INSECT ADAPTATION
Systematic entomology: Distribution of insects in the Pacific. 5117

Phoretic copulation in Hymenoptera. 5298

Behavioral adaptations of cryptic moths. I. Preliminary studies on bark-like species. 5583

Feeding mechanism of a fruit-sucking moth Othreis materna (Lepidoptera: Noctuidae). 5623

INSECT ANATOMY
A brief note on entomology. 4977

Undescribed species of nematocerous Diptera. Part VII. 4984

Undescribe species of nematocerous Diptera. Part VI. 4985

A new tingid from Pakistan (Hemiptera). 5021

The immature stages of Lype diversa (Banks) (Trichoptera, psychomyiidae). 5032

Description of Blastophagus khasianus, new species (Coleoptera: Scolytidae). 5110

Notes on Buprestidae and Schizopodidae. 5114

Pigment movement and the crystalline threads of the firefly eye. 5372

Mechanism of the insect ear. 5373

Morphology, anatomy and development of the gall of Rhabdophaga ramicola rubs. in Salix purpurea L. 5449

The optics of insect compound eyes. 5473

Flea Ctenophthalmus: Heterogeneous hexagonally organized layer in the midgut. 5558

Variation in Chlorion latreillei (Hymenoptera, Sphecidae). 5647

INSECT BEHAVIOR
A sound-activated method for recording insect activity. 4970

Notes on macrochelids associated with manure and coprid beetles in Israel. II. Three new species of the Macrocheles pisentii complex, with notes on their biology. 5013

Flying beetles. 5178

Remarks on some larch-feeding Tortricids (Lepidoptera, Tortricidae). 5179

Locomotory responses to temperature in the grain weevil, Sitophilus granarius (L.) (Coleoptera: Curculionidae). 5210

Western pine beetle: Field response to its sex pheromone and a synergistic host terpene, myrcene. 5217

The wing mechanism involved in the courtship of Drosophila. 5219

Behavior of the German cockroach, Blattella germanica (L.), in response to surface textures. 5224

Leptoconops irritans Noe' in the province of Grosseto: Control problems. 5226

Nutritional behavior of Trogoderma granarium Everts (Coleoptera: Dermestidae) on leguminous seeds. 5230

Electroretinogram of the scorpion Androctonus australis in response to periodical illumination. 5252

Oviposition responses by aphidophagous Syrphipae (Diptera). 5260

The physiology of mosquitoes. 5266

Chemosterilant-induced increase in mating ability of male screw-worm flies (Diptera: Calliphoridae). 5276

On the functional morphology of water striders. I. The morphology of the locomotive apparatus of Gerris lacustris L. (Heteroptera: gerridae). 5279

Biologically active compounds in orchid fragrances. 5290

Phoretic copulation in Hymenoptera. 5298

Observations on the biology and behavior of Cicindela hybrida L. and Cicindela campestris L. and experimental analysis of their behavior. 5300

A synthetic attractant for the male spruce budworm moth Choristoneura fumiferana (Clem.). 5305

On the reproductive biology of Chironomus nuditarsis Str,. 5306

Australia's honeypot ants. 5312

The pollination of runner beans (Phaseolus multiflorus) in a glasshouse. 5314

Observations in Kenya on the flight activity of stored products insects, particularly Sitophilus zeamais Motsch. 5327

Airborne factor affecting the grouping behaviour of locusts. 5328

Blacus-dances, experiences and studies (Braconidae, Hymenoptera). 5343

Blacus-dances, experiences and studies (Braconidae, Hymenoptera). 5344

Observations on two species of Culex of the subgenus Melanoconion. 5349

Trail laying in the subterranean ant, Acanthomyops interjectus. 5352

The hemlock sawfly in southeast Alaska. 5353

Life history of Heliolonche carolus (Noctuidae). 5354

Mosquitoes feeding on insect larvae. 5359

The flight times of some nocturnal moths. 5365

The influence of the duration of copulation on the fertility of the females of Acanthoscelides obtectus Say (Insecta Coleoptera). 5376

Differences in light reactions of larvae of the armyworm Leucania separata Walker in relation to their phase status. 5388

Certain host-parasite relationships between rodents (Muridae) and fleas (Aphaniptera). 5393

Cyclophora pupillaria Hb. in Belgium (LepidopteraGeometridae). 5438

The leatherjacket risk grows. 5447

A bioassay to characterize strains and preparations of Bacillus thuringiensis Berliner. 5451

The distribution of nymphs of Brachyptera risi Mort. and Nemoura flexuosa Aub. (Plecoptera) in relation to oxygen. 5453

Olfactory response of larvae of the onion maggot, thylemya antiqua Meigen (Diptera: Anthomyiidae) to organic sulfur compounds. 5458

Host preferences and discrimination by the mosquitoes Aedes aegypti and Culex tarsalis (Diptera: Culicidae). 5461

Investigations into the honey bee's learning of spectral colors. 5466

The influence of light and temperature variations on the behavior and fecundity of the larch-bud moth Zeiraphera diniana (Gn.) (Lepidoptera: Tortricidae). 5467

Effect on aphid feeding of dietary methionine. 5479

Control of pasture Aedes mosquitoes by dripping larvicides into flowing water, with notes on residues in a pasture habitat. 5486

The females of Laelius anthrenivorus Trani (Hym. Bethylidae) attacking man. 5492

Flight activity of honeybees in a flight and rearing room. II. The influence of constant and cycling temperatures. 5496

On the theoretical concept of self-extinction of bark beetles. (TT.68-50402) 5515

Anatea, an ant-mimicking Theridiid spider from New Caledonia (Araneae: Theridiidae). 5555

Accessory glands of female Culex pipiens quinquefasciatus Say and autogenous Culex pipiens pipiens L. (Diptera, Culicidae): Appearance and behavior in relation to oogenesis. 5567

Note on the deportment particularly towards the dead in Coptotermes intermedius Silvestri (Isoptere Rhinotermitidae). 5569

The biology of Scrapter and its cuckoo bee, Pseudodichrda (Hymenoptera: Colletidae and Anthrophoridae). 5570

Nest architecture and brood development in a neotropical bumblebee, Bombus atratus. 5578

Behavioral adaptations of cryptic moths. I. Preliminary studies on bark-like species. 5583

Cryptic moths: effects on background selections of painting the cirumocular scales. 5584

Sounds produced by Neptis hylas (Nymphalidae). 5596

Sex pheromones of noctuid moths. XIII. Changes in pheromone quantity, as related to reproductive age and mating history, in females of seven species of Noctuidae (Lepidoptera). 5603

Life-history and biology of Tabanus rubidus. 5610

The black fly, Simulium venustum, attracted to the turtle, Chelydra serpentina. 5617

Seminal loss in repeatedly mated female Aedes aegypti. 5621

Diel patterns of swarming and other activities of two arctic dipterans (Chironomidae and Trichoceridae) on Spitsbergen. 5639

Functional response to host density in a parasitic wasp, with reference to population regulation. 5640

On the biology and ecology of the opilionid Mitopus morio F.. 5644

On emergence times within the genus Polamorphylax Wallengren (Trichoptera, Linnephilidae). 5645

Optical orientation mechanisms in the homing behavior of Cataglyphis bicolor Fab. (Formicidae, Hymenoptera). 5671

Homing in the ant Cataglyphis bicolor. 5672

Life history, habits, and damage of Chrysobothris orono (Coleoptera: Buprestidae) on red pine in Michigan. 5680

On the photopositive responses of some insects towards monochromatic lights. 5691

Aggressiveness of different species of sandflies towards man and their infection rate with L. tropica major at the moment of blood-sucking. 5694

How do native insect parasites behave in relation to imported insect hosts, alien to the native fauna 5695

Effects of selection and migration on geotactic and phototactic behaviour of Drosophila. II. 5702

Genetics and activity in Drosophila melanogaster. 5704

Studies in experimental behavior genetics: V. Negative geotaxis and further chromosome analyses in Drosophila melanogaster. 5709

Culex nigripalpus: Seasonal shift in the bird-mammal feeding ratio in a mosquito vector of human encephalitis. 5753

Studies on the attack behavior of the southern pine beetle. I.THE spreading and collapse of outbreaks. 5942

Improvement of the agricultural warning (device) against the cereal gall moth (Cnephasia pumicana Zell., Lep. Tortricidae). 6164

Studies on the attack behavior of the southern pine beetle. III. Sequence of tree infestation within stands. 6177

Notes on gall-midges from Israel and their parasites. 6178

Insect pests of grain in the field of Turkey. 6235

Observations of defence reactions to oestrid flies by semidomestic forest reindeer (Rangifer tarandus L.) in Swedish Lapland. 6891

Houseflies, blowflies and cluster flies. 6901

Attacks on cattle by mosquitoes and biting midges. 6908

Termite workers. 7032

INSECT BIOCHEMISTRY

Fatty acid composition of limited use in aphid taxonomy. 5175

Oxidative metabolism of carbohydrates in phytophagous insects. I. Glycolysis in the cotton stainer Dysdercus fasciatus Signoret (Pyrrhocoridae, Hemiptera). 5189

Western pine beetle: Field response to its sex pheromone and a synergistic host terpene, myrcene. 5217

Juvenile hormone: Activity of natural and synthetic synergists. 5238

Effects of temperature on Drosophila--V. Weight and water, protein and RNA content. 5247

Insect hormones: Olive oil is not an inert vehicle for hormone injection into locusts. 5250

On the metabolism of pterine and its hydrogen derivatives in Colias croceus (Fourcroy) (Lepidoptera Pieridae). 5286

Nonspecific esterases in mosquitos. 5316

Trehalose regulation of gucose-6-phosphate hydrolysis in blowfly extracts. 5317

Long-term regulation of sugar intake by the blowfly. 5322

A sodium and potassium stimulated adenosine triphosphatase in the cockroach nerve cord. 5337

Electron microscopic and biochemical characterization of collagen in blattarian insects. 5356

Relationship between serotonin and the circadian rhthym in some nocturnal moths. 5364

Metabolism of aniline in the cattle tick Boophilus microplus Canestrini. 5368

Fatty acid metabolism in D. melanogaster: Formation of palmitoleate. 5404

Biochemical correlates of respiratory and developmental changes in anoxic Tribolium confusum pupae. 5408

Mutations produced by transmutation of phosphorus-32 to sulfur-32 within Drosophila DNA. 5437

Biochemical aspects of juvenile hormone action in the adult Locusta migratoria. 5474

Lindane: Metabolism to a new isomer of pentachlorocyclohexene. 5552

Heart poisons in the monarch butterfly. 5554

Activation of the myofibrillar ATPASE activity by extension of glycerolextracted insect fibrillar muscle. 5571

The coupling of poweroutput and myofibrillar ATPASE activity in glycerol-extracted insect fibrillar muscle at varying amplitude of ATP-DRIVEN oscillation. 5572

Occurrence of antimicrobial substance in the exudate of physogastric queen termite Termes repemanni Wasmann. 5582

Cytochemical studies on the neurosecretory cells of the brain of Labidura riparia Pallas (Dermaptera). 5611

Effect of starvation on the scorpion Palamnaeus bengalensis. 5612

A relationship between ionic environment and hormonal activation of phosphorylase in an insect. 5629

Lipids in the melanic mutant of the large milkweed bug, Oncopeltus fasciatus. 5689

Effect of drugs on luminescence in larval fireflies. 7150

Venom of the scorpion Vejovis spinigerus. 7199

INSECT BIOLOGY

Soviet entomology during the period 1917-1967. (JPRS 43,647) Transl. 16962. 4966

Notes on macrochelids associated with manure and coprid beetles in Israel. II. Three new species of the Macrocheles pisentii complex, with notes on their biology. 5013

Chironomus strenzkein. sp. (Chironomidae, Dipt), a new laboratory animal. 5031

Study of the cycle of Geckobia latastei and Geckobia loricata, Acarine parasites of the Gecko Tarentola mauritanica. 5044

On the presence in France of Nearctaphis bakeri Cowen, a dangerous pest of cultivated clover in the U. S. A. (Homoptera, Aphididae). 5089

Some remarks on the tampans of the Ornithodoros moubata complex in southern Africa. 5102

Distributional and biological notes on the tree hole mosquitoes of the western United States. 5112

A new species of Dermanyssus from marine birds, with observations on its biology (Acarina: Dermanyssidae). 5113

The validity of the separation of Thrips physapus L. and T. hukkineni Priesner (Thysanoptera: Thripidae). 5166

The morphology and systematic of Coptopteryx gayi (Blanchard) 1851 (Mantidae). 5176

The biology of the conenose bug parasite, Pimeliaphilus plumifer Newell and Ryckman (Acarina: Pterygosomidae) (Hemiptera: Reduviidae). 5191

Contribution to the knowledge of the Cosmopolites sordidus (Germar)(Coleoptera, Curculionidae). (2). 5216

The action of iontophoretically applied glutamate on insect muscle fibres. 5222

Leptoconops irritans Noe' in the province of Grosseto: Control problems. 5226

An acarid (Erythraeidae) parasite of Jassids (Homoptera, Auchenorrhyncha). 5249

Insect hormones: Olive oil is not an inert vehicle for hormone injection into locusts. 5250

Evaluation of some parameters of the individual energy budget of the larvae of Pteromalus puparum (L.) (Pteromalidae) and Pimpla instigator (Fabr.) (Ichneumonidae). 5264

Evolutionary trends in Heteroptera. Part I Eggs. architecture of the shell, gross embryology and eclosion. 5267

Two major effects of the corpus allatum in the adult Colorado beetle (Leptinotarsa decemlineata Say). 5281

Biologically active compounds in orchid fragrances. 5290

Observations on the biology and behavior of Cicindela hybrida L. and Cicindela campestris L. and experimental analysis of their behavior. 5300

On the reproductive biology of Chironomus nuditarsis Str,. 5306

Final report, studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan; June 1961-June 1966. Part I. Scale insects. 5323

Final report, studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan. June 1961 - June 1969. Part II. Fruit flies. 5324

Field studies of an attractant in the male boll weevil. 5338

Observations on two species of Culex of the subgenus Melanoconion. 5349

Chemosterilization of the two-spotted spider mite. I. Effect of chemosterilants on the biology of the mite. II. Histopathological effect of aphholate and 5-fluorouracil on the reproductive organs. 5390

Observations on various treatments applied in Lebanon in 1966 against Ceratitis capitata Wied. 5392

Biosystematics of Phytoseiulus persimilis AthiasHenriot (Acarina: Phytoseiidae). 5407

Action of proteinic brain hormone to the prothoracic gland in an insect, Bombyx mori L. (Lepidoptera: Bombycidae). 5412

Life history and life table of Tetranychus urticae Koch. 5428

Breeding Lysandra coridon ab. syngrapha. 5445

The biology and control of the Ceanothus stem-gall moth, Periploca ceanothiella (Cosens). 5446

Polynema striaticorne Girault (Hymenoptera: Mymaridae), a parasite of the buffalo treehopper, Stictocephala bubalus (F.) (Homoptera: Membracidae), in Quebec. 5465

The relation between temperature and lethal action of carbaryl on adults on the housefly and the oriental housefly (Diptera: Muscidae). 5490

The larval and imaginal oenocytes of Callosobruchus maculatus (Fabricius) (Coleoptera: Bruchidae). 5512

The evolution and biological significance of multiple pairing in Lepidoptera. 5519

The biology of Scrapter and its cuckoo bee, Pseudodichrda (Hymenoptera: Colletidae and Anthrophoridae). 5570

Physiological studies on the digestion of coccinellid beetles (Coleoptera: Coccinellidae), with special reference to their food habits. 5579

Occurrence of antimicrobial substance in the exudate of physogastric queen termite Termes repemanni Wasmann. 5582

Changes in the content of fixed amino acids in tissues of silk worm during development. 5592

Life-history and biology of Tabanus rubidus. 5610

Collecting method and preliminary analysis of the soluble salivary secretions of the planthoppers. 5618

Insecticidal and acaricidal effect of some binary mixtures. 5627

Dose rate effect of radiation on spermatogonia of the silkworm. 5635

Biological observations on Aegeria apiformis Cl. 5642

On the biology and ecology of the opilionid Mitopus morio F.. 5644

Biology of Dufourea and of its cleptoparasite, Neopasites (Hymenoptera: Apoidea). 5646

Development course of northern cattle grub, Hypoderma bovis, male reproductive cells. 5666

Determining suitable wintering and hatching regimes of the eggs of the silk worm (Bombyx mori L.). 5687

Studies on the mechanism of DDT-RESISTANCE in Culex pipiens fatigans. 5713

Genetics of resistance to tedion in Tetranychus urticae C. L. Koch. 5731

A possible role of blood-sucking mosquitoes in spread of arbovirus infection in the area of the Zaisan Lake. 5747

The biology, ecology and control of Vanapa oberthuri Pouill. Coleoptera; Curculionidae in hoop pine Araucaria plantations in New Guinea. 6152

Hylemyia cilicrura Rond. on the Dianthus cultures of Pescia and Versilia. 6174

Gypsy moth (Ocneria dispar) control in the roadside plantations. Transl. 17032. 6209

Capsid bugs on fruit. 6225

The principle insect pests of beets and the means of their control in turkey. 6234

Bionomics of Drosicha mangiferae (Green) on citrus including new record of its three natural enemies. 6246

Contribution to the knowledge of Microlepidoptera on oaks in Israel. 6258

Generalities on the white potato grub Premnotrypes vorax (Hustache). 6282

INSECT BREEDING

Leptoconops irritans Noe' in the province of Grosseto: Control problems. 5226

Co-resistance and resistance inheritance in a dieldrin resistant laboratory stock of the clothes moth (Tineola bisselliella (Hum.), Lep.). 5423

Nest architecture and brood development in a neotropical bumblebee, Bombus atratus. 5578

Determining suitable wintering and hatching regimes of the eggs of the silk worm (Bombyx mori L.). 5687

INSECT CAGES

A falling cage for sampling tsetse flies (Glossina; Diptera). 4974

Inflated plastic bags as cages for insects on potted plants. 5212

Substances that attract caged honeybee colonies to consume pollen supplements and substitutes. 5565

INSECT COLLECTING EQUIPMENT

A carbon dioxide bait trap for collecting ticks and fleas from animal burrows. 4972

A falling cage for sampling tsetse flies (Glossina; Diptera). 4974

Mites collected from Douglas-fir foliage in Montana. 5030

Procedures and materials perfected for the rearing and collection of homopterans (Aphididae and Jassidae) during virus transmission studies. 5313

Effect of cultivation on emergence of eye gnats (Hippelates spp.) in South Carolina. 5320

Transmission experiments on the tungro virus in Thailand. 5429

The beetles (Coleoptera) of Babia Gora Mountain (Polish Western Carpathians). 5518

Two methods of operating a vacuum sampler to sample populations of the cotton fleahopper on wild hosts. 5559

INSECT COLLECTION

New contributions to the study of chalcids in the Socialist Republic of Rumania (XIV). 5234

INSECT CONTROL

The insect world. Series: The universe of knowledge. 4967

A brief note on entomology. 4977

The photoperiod as a control agent against Adoxophyes reticulana (Lepidoptera; Tortricidae). 5193

Leptoconops irritans Noe' in the province of Grosseto: Control problems. 5226

On the biology of Simulium damnosum Theobald, 1903, the main vector of onchocerciasis in the Mahenge Mountains, Ulanga, Tanzania. 5360

A possibility of using dimethyldichlorvinylphosphate in the fight againt red cockroaches. (abstract). 5495

New horizons in the fight against insects. 5524

Disaster aid for mosquito control agencies. 5525

Report of the Suffolk County Mosquito Control Commission. 5633

Development and study of filler composition of aerosol dispensers for controlling flying insects. 5660

Controlling insect pests in header-harvesters. 5678

On the larvicidal action of crude cashewnut shell oil. 5757

Immunologic structure of the population in a foothill Taiga focus of tick-borne encephalitis in the Zone of Construction of the Krasnoyarskaya Hydropower Station after realization of tick control measures. 5766

Water management units and shore line modifications used in mosquito control investigations. 5768

Breeding and management of forage crops in the Eastern Plains. 5797

Cotton as a supplement to tobacco. 5807

Controlling insects and diseases on trees. 5897

Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen. 6150

Improvement of the agricultural warning (device) against the cereal gall moth (Cnephasia pumicana Zell., Lep. Tortricidae). 6164

Chemical control of the tea tortrix (Homona coffearia Nietner). 6171

Those hungry gypsies (Photo story). 6189

Field experiments with Trichogramma brasiliensis Fland. for the possible control of the pink bollworm of cotton, Pectinophora gossypiella Saund., in Mexico. 6198

Pongamia cake can control tobacco beetle. 6201

Delhi farmers need not be afraid of mustard aphid. 6239

The banana beetle can be checked. 6244

Preliminary observations on Heteronychus robustus ArrowA beetle pest of sugarcane in Uttar Pradesh. 6250

How to control jute pests economically. 6267

Lice and mites in poultry. 6890

Evaluation of acaricidal dips for control of Psoroptes ovis on sheep. 6900

Salt marsh mosquito control in relation to beef cattle production: A preliminary report. 6904

Environmental pollution: Scientists go to court. 7072

Aspects of the industrial production of microbial insect control agents. 7404

INSECT CULTURES

Airborne factor affecting the grouping behaviour of locusts. 5328

Some notes on the rearing of useful insects. 5556

Relative susceptibility of stored-product insects to insecticides. 5631

Attempts to induce crossing-over in Drosophila melanogaster males with ovarian extracts. 5739

Multiplication and differentiation of Trypanosoma cruzi in an insect cell culture system. 6875

INSECT CYTOLOGY

The golgi body origin and the development of the vacuolary bodies implied in the degeneration of the molt glands of Locusta migratoria migratorioides (R. and F.). 5254

On the presence of microtubules in the ergastoplasm and the perinuclear space of the oenocytoids of the migratory locust, Locusta migratoria migratorioides (R. and F.). 5256

The imaginal cells of the clypeo-labrum and the development of the proboscis of Drosophila melanogaster. 5321

The presence of a differentiated cytoplasmic zone around the nuclei in the cells of the middle intestine of Cixius nervosus L. (Homoptera, Fulgoroidea). 5335

Changes in the hemocyte picture of Galleria mellonella (Linnaeus). 5396

Chromosome studies in Diplopoda (Myriapoda). A note on the abnormal sex-chromosome behaviour in the male of Thyropygus sp.. 5698

INSECT DETECTION

Termites need no longer threaten groundnut in Nimar. 6202

INSECT DIETS

Rearing of Ips cembrae larvae on artifical diets: Some essential amino acids and sugars. 5206

Effect of the age of pollen used in pollen supplements on their nutritive value for the honeybee. I. Effect on thoracic weight, development of hypopharyngeal glands, and brood rearing. 5348

Substances that attract caged honeybee colonies to consume pollen supplements and substitutes. 5565

Some factors that condition feeding in larvae of the migratory locust, Locusta migratoria migratorioides (Orthoptera, Acrididae). I. External factors. 5613

Ecdysones and analogs: Effects on development and reproduction of insects. 5835

INSECT DISEASES

Ultrastructure of a cytoplasmic polyhedrosis virus affecting the monarch butterfly, Danaus plexippus. I. Development of virus and normal polyhedra in the larva. 5197

Experiments on the etiology of European foul brood of the honeybee. 5204

Serological identification. 5280

Pathogens of the gypsy moth. 5289

The in vitro pathogenesis of insect viroses. 5307

Features of microclimatic regimen of habitats of sandflies in a village of Karshinsky Oasis. 5329

The problems associated with the standardization of insect viruses. 5361

Electron microscopy for the diagnosis of insect diseases. 5374

Possibilities of mass-producing insect pathogens. 5381

An octosporosis of the black blowfly Phormia regina: Effect of temperature on the longevity of diseased adults. 5419

Conditions for the massive multiplication of the intestinal cytoplasmic virus of Mamestra brassicae L. (Lepidoptera). 5426

Use of histopathology indices of haemolymph for the prognosis of mass propagation of pests. 5434

Some observations on flagellate parasites of hemipterans Corimelaena, Euschistus, Gerris, Leptocoris and Oncopeltus in the United States. 5444

Morphology and chemistry of the parasporal body of Bacillus fribourgensis. 5450

Suitability of pathogens for biological control. 5452

Diagnosis of the diseases of insects. 5455

In vivo and in vitro cytological diagnosis of densonucleosis in Lepidoptera. 5469

Note on the ovary, rachis, and spermatheca of an insect parasitic nematode, Contortylenchus elongatus (Massey, 1960) Nickle, 1963. 5497

The nematodes DD-136 (Neoaplectana sp.) and Neoaplectana carpocapsae Weiser, 1955 (Rhabditoidea) as insect parasites. A literature review. 5499

The classification of strains of Bacillus thuringiensis on the basis of the antigenic patterns of the toxic protein inclusions. 5521

Development of virus antigen in tissues of Pieris brassicae inoculated with Tipula iridescent virus. 5534

The natural and artificial dispersion of pathogens. 5561

Limitation of the Colorado beetle by nematodes and prospects for their practical utilization. 5580

Parasites as vectors of granulosis virus of Hadena sordida Bkh. 5599

The role of phytocides on the pathology of the phytophagous invertebrates. 5616

The study of virus epizootics in insect populations. 5625

Insect pathology and microbial control. Proceedings of the International Colloquium on Insect Pathology and Microbial Control, Wageningen, the Netherlands, September 5/10, 1966. 5657

Research on the disease due to Metarrhizium anisopliae, in the migratory locust. 5664

Initiation of polyhedrosis production in vitro. 5685

Aggressiveness of different species of sandflies towards man and their infection rate with L. tropica major at the moment of blood-sucking. 5694

Factors influencing the persistence of the granulosis virus of Pieris brassicae in the environment. 5752

Determination of nucleopolyhedron counts and size frequency distributions by means of a Coulter transducer. 6009

The use of entomopathogenic microorganisms in agriculture: Actual and prospective potentialities offered by Bacillus thuringiensis Berliner. 6217

Virus diseases as limiting factors of some lepidopterous defoliators on poplar trees in Vojvodina. 6249

INSECT DISSEMINATION

1967: The results of artificial biological control of the olive fly. 5480

INSECT ECOLOGY

Soviet entomology during the period 1917-1967. (JPRS 43,647) Transl. 16962. 4966

Division of Entomology Annual Report, 1966-67. 4968

Horse-flies (Diptera, Tabanidae) collected in the East Hindukush Mountains, Afghanistan. 5010

A new species Chrysomela rufoaenea SUFF. for the fauna of Bulgaria from the collection of the Zoological Museum in Sofia, Chrysom., Col. 5053

New Tetranychidae of Madagascar. 5054

Contributions to the knowledge of the family Anoetidae (Acari). 5140

The bumblebee fauna in the neighborhood of the Kuku-Nor. (Hymenoptera, Bombinae). 5155

Ecological observations on three species of Pimeliaphilus parasites of triatominae in the United States (Acarina: Pterygosomidae) (Hemiptera: Reduviidae). 5192

Cave Carabidae (Coleoptera) of Mammoth Cave, part II. 5211

Selection for divergent emigration rates in laboratory populations of Musca domestica. 5269

Biological observations on the desert locust (Schistocerca migratoria migratorioides) in Chad. 5285

Australia's honeypot ants. 5312

Studies on interspecies competition between the azuki bean weevil and the southern cowpea weevil. III. Some characteristics of strains of two species. 5318

Synecological studies of soil macroentomofauna in two different agricultural biotopes. 5332

Faunal and zoocenological analysis of the soil insect communities in the ecosystem of shelterbelt and field. 5333

Notes on the mosquitoes of the Islamic Republic of Mauritania. (Dipt. Culicidae). (2). 5351

On the biology of Simulium damnosum Theobald, 1903, the main vector of onchocerciasis in the Mahenge Mountains, Ulanga, Tanzania. 5360

Insect-flower associations in the high Arctic with special reference to nectar. 5366

Certain host-parasite relationships between rodents (Muridae) and fleas (Aphaniptera). 5393

The significance of oviposition rates in the egg parasite, Trichogramma embryophagum Htg.. 5410

Estimation of the individual number entering each development stage in an insect population. 5413

On ecology and phenology of Heptatoma pellucens F. (Tabanidae, Diptera). 5415

Some regularities in the zonal distribution of oribatoid mites. 5421

Integrated insect control - a payoff from research. 5435

The distribution of nymphs of Brachyptera risi Mort. and Nemoura flexuosa Aub. (Plecoptera) in relation to oxygen. 5453

The beetles (Coleoptera) of Babia Gora Mountain (Polish Western Carpathians). 5518

Intraspecies competition in a field population of Gregopimpla himalayensis (Hymenoptera: Ichneumonidae) parasitic on Malacosoma neustria testacea (Lepidoptera: Lasiocampidae). 5600

A model of the plant-to-plant movement of aphids. II. Estimation of parameters and the application. 5602

Aphidofauna of honey plants as a source of subsidiary hosts of aphidiid wasps (Hymenoptera, Aphidiidae). 5628

Functional response to host density in a parasitic wasp, with reference to population regulation. 5640

On the biology and ecology of the opilionid Mitopus morio F.. 5644

Biology of Dufourea and of its cleptoparasite, Neopasites (Hymenoptera: Apoidea). 5646

The occurrence of Argas japonicus and Ixodes lividus in Nagano Prefectur, Japan (Ixodoidea: Argasidae; Ixodidae). 5652

Homing in the ant Cataglyphis bicolor. 5672

Thermobia domestica (Packard 1873). 5673

Ecological studies on aphids. I. On the temperature relations of the Virginoparae (Aliencolae) of Myzus persicae at constant temperatures on Swedes. 5675

On the photopositive responses of some insects towards monochromatic lights. 5691

Population genetics in the American tropics. II. The comparative genetics of Drosophila in European and neo-tropical environments. 5710

The present status of rice pest research and control. A literature review. 5827

The biology, ecology and control of Vanapa oberthuri Pouill. Coleoptera; Curculionidae in hoop pine Araucaria plantations in New Guinea. 6152

Porina and grassgrubs put curbs on production. 6187

Figs (Ficus spp.) and fig-wasps (Chalcidoidea). 6190

Ecology of insect vectors, forecasting, and chemical control. 6205

INSECT EGGS

Results of consecutive matings of female Anopheles gambiae species B with fertile and sterile males. 5242

Incorporation of tritiated thymidine into the ovarian DNA of stable flies: Effects of treatment with apholate. 5259

Oviposition responses by aphidophagous Syrphipae (Diptera). 5260

The physiology of mosquitoes. 5266

Evolutionary trends in Heteroptera. Part I Eggs. architecture of the shell, gross embryology and eclosion. 5267

A simple method for counting leaf-hopper eggs inserted in plant issue. 5319

The modification of embryologic differentiation processes through total radiotherapy in eggs of Gryllus domesticus. 5362

Fluctuations in numbers and reduction of the Colorado beetle (Leptinotarsa decemlineata Say) in natural conditions. 5402

The significance of oviposition rates in the egg parasite, Trichogramma embryophagum Htg.. 5410

Estimation of the individual number entering each development stage in an insect population. 5413

The 24-inch branch as a sample unit for egg mass surveys of the western budworm. 5463

Utilization of larval cholestrol-4-C14 for reproduction in house flies fed unlabeled cholesterol in the adult diet. 5481

Colonization of two species of Florida chironomids. 5573

Sex pheromones of noctuid moths. XIII. Changes in pheromone quantity, as related to reproductive age and mating history, in females of seven species of Noctuidae (Lepidoptera). 5603

Lack of effect of constant magnetic fields on Drosophila egg hatching time. 5630

Egg reduction of the Colorado beetle (Leptinotarsa decemlineata Say) as a hunger-dependent reaction. 5650

Determining suitable wintering and hatching regimes of the eggs of the silk worm (Bombyx mori L.). 5687

Use of some host insects to increase trichogram effectiveness. 5692

Fecundity, egg-size and hatchability in Drosophila melanogaster with an X-chromosome held unchanged. 5721

Chromosomes of the cereal leaf beetle. 5729

Analysis of a 6X6 diallel cross for hatchability in Drosophila melanogaster. 5734

Hylemyia cilicrura Rond. on the Dianthus cultures of Pescia and Versilia. 6174

INSECT EMERGENCE

On emergence times within the genus Polamorphylax Wallengren (Trichoptera, Linnephilidae). 5645

INSECT EVOLUTION

New species of Pseudosinella from caves (Insecta: Collembola). 5045

The electrentomoid psocids (Psocoptera). 5105

Systematic entomology: Distribution of insects in the Pacific. 5117

A re-assessment of the genera Holorusia Loew (0Ctenacroscelis Enderlein), Ischnotoma Skuse and Zelandotipula Alexander (Diptera: Tipulidae), with notes on their phylogeny and zoogeography. 5161

Evolutionary trends in Heteroptera. Part I Eggs. architecture of the shell, gross embryology and eclosion. 5267

Rates of evolution in the Dermaptera. 5291

Phoretic copulation in Hymenoptera. 5298

Quantitative study of divergence in the morphological evolution of certain infraspecific entities in domestic honeybees (A. mellifera L.). 5448

Wing reduction in endemic Hawaiian psocids. 5643

Parasite phylogeny problems of the Mallophaga of Passeriformes and Piciformes. 5693

INSECT FLIGHT

Flying beetles. 5178

The wing mechanism involved in the courtship of Drosophila. 5219

The physiology of mosquitoes. 5266

The flight times of some nocturnal moths. 5365

Reduction of flight organs in some cryptobrachypterous Lygaeidae (Hem., Het., Lygaeidae). 5398

Flight activity of honeybees in a flight and rearing room. II. The influence of constant and cycling temperatures. 5496

Activation of the myofibrillar ATPASE activity by extension of glycerolextracted insect fibrillar muscle. 5571

The coupling of poweroutput and myofibrillar ATPASE activity in glycerol-extracted insect fibrillar muscle at varying amplitude of ATP-DRIVEN oscillation. 5572

INSECT FOOD

Mosquitoes feeding on insect larvae. 5359

INSECT GENETICS

Undescribed species of nematocerous Diptera. IX. 4983

Undescribed species of nematocerous Diptera. Part VII. 4984

Incorporation of tritiated thymidine into the ovarian DNA of stable flies: Effects of treatment with apholate. 5259

On the reproductive biology of Chironomus nuditarsis Str,. 5306

Biosystematics of Phytoseiulus persimilis AthiasHenriot (Acarina: Phytoseiidae). 5407

Mutations produced by transmutation of phosphorus-32 to sulfur-32 within Drosophila DNA. 5437

Insecticide resistance in the house fly: Decreased rate of absorption is the mechanism of action of a gene that acts as an intensifier of resistance. 5532

Cryptic moths: effects on background selections of painting the cirumocular scales. 5584

Karyotypes of some Asian mosquitoes of the subfamily Culicinae (Diptera: Culicidae). 5696

Polymorphism in Pieris: Supposed lethality of homozygous subtalba (Lep., Pieridae). 5697

Chromosome studies in Diplopoda (Myriapoda). A note on the abnormal sex-chromosome behaviour in the male of Thyropygus sp.. 5698

Morphological divergences and sterility barriers in the Aedes mariae complex (Diptera, Culicidae). 5699

Environmental and genetic variations of wing size, cell size and cell division rate, in Drosophila melanogaster. 5700

Centromere nature of the chromosomes of Ranatra (Heteroptera). 5701

Effects of selection and migration on geotactic and phototactic behaviour of Drosophila. II. 5702

Meiosis. III: The elastica, and Markov processes as model for non-random segregation from associated non-homologues in Drosophila. 5703

Genetics and activity in Drosophila melanogaster. 5704

Nucleic acid content of a diploid and of a triploid strain of Drosophila melanogaster. 5705

Mutants at the bobbed locus in Drosophila melanogaster: Relation to ribosomal RNA synthesis. 5706

The variation from year to year of the concentration and allelism of lethal mutations in neighbouring natural populations of Drosophila melanogaster. 5707

Insecticide resistance in the home of Culex pipiens fatigans Wiedemann. 5708

Studies in experimental behavior genetics: V. Negative geotaxis and further chromosome analyses in Drosophila melanogaster. 5709

Population genetics in the American tropics. II. The comparative genetics of Drosophila in European and neo-tropical environments. 5710

The exploitation of genetic heterogeneity among the founders of laboratory populations of Drosophila prior to directional selection. 5711

Crossing-over in the males of Drosophila ananassae: exchanges in irradiated pupae. 5712

Studies on the mechanism of DDT-RESISTANCE in Culex pipiens fatigans. 5713

The chromosomes of the caddis-fly, Glyphotaelius pellucidus (Retzius, 1783) (Trichoptera: Limnephilidae, Limnephilinae). 5714

The mutagenic effect of 600 MeV protons in Drosophila melanogaster. 5717

Analysis of chronatin in male and female mealy bugs. (Planococcus citri). 5718

Genetic and environmental control of melanotic tumors in Drosophila. 5719

Selection for higher fitness in populations of Drosophila pseudoobscura. 5720

Fecundity, egg-size and hatchability in Drosophila melanogaster with an X-chromosome held unchanged. 5721

Linkage of gold, its recessive lethality and sex-related variation in crossing-over in Culex pipiens (Diptera: Culicidae). 5722

Elimination of radiation-induced chromosome aberrations in experimental populations of Drosophila melanogaster. 5723

On the multiple sex-chromosome mechanism in Trapezonotus arenarius L. (Heteroptera, Lygaeidae). 5724

Salivary gland chromosome variation in the Drosophila affinis subgroup. II. Comparison of C-chromosome patterns in D. athabasca and five related species. 5725

Loss of chromosomes and nondisjunction induced by caffeine in Drosophila. 5726

Relative fitness of a third chromosome inversion in Drosophila melanogaster. 5728

Chromosomes of the cereal leaf beetle. 5729

On the reversible character of delayed mutations induced by nitrosocompounds in Drosophila melanogaster. 5730

Thymidine teratogenesis and mutagenesis in Drosophila melanogaster. 5732

Analysis of a 6X6 diallel cross for hatchability in Drosophila melanogaster. 5734

Genetic variability in the German cockroach. IV. Linkage studies with markers for groups III and VIII. 5735

Genetics of resistance to insecticides of the SKA strain of Musca domestica. III. Location and isolation of the factors of resistance to dieldrin. 5736

The salivary chromosomes of Anopheles stephensi stephensi. 5737

Attempts to induce crossing-over in Drosophila melanogaster males with ovarian extracts. 5739

Temperature-sensitive mutations in Drosophila melanogaster, III. Dominant lethals and semilethals on chromosome 2. 5740

Genetical linkage relationships of DDT-RESISTANCE and dieldrin-resistance in Culex pipiens fatigans Wiedemann. 5741

Regular segregation of seven asynaptic sex chromosomes in the male of Asphaera daniela Bechyne (Coleoptera, Alticidae). 5743

On polymorphism within a chromosomes from populations of ground beetles Carabus auronitens Fabr. 5745

INSECT GEOGRAPHY

The electrentomoid psocids (Psocoptera). 5105

A new species of Trachysphyrus from the Andes of Ecuador (Hymenoptera, Ichneumonidae). 5124

INSECT HISTOLOGY

Histophysiological studies on neurosecretion in the ventral nervous system of Rhodnius prolixus Stal (Hemiptera) during the imago stage. 5213

Structure and development of vesicles in larval tissue culture of Aedes aegypti (L.). 5227

Studies on the anatomy of the male reproductive system of the red-cotton bug, Dysdercus cingulatus (Fabr.), (Heteroptera, Pyrrhocoridae). 5229

Modifications of the Bodian technique applied to insect nerves. 5263

Nicotinamide-adenine dinucleotide-linked form of lactic dehydrogenase of the symbionts and fat bodies of a cockroach. 5295

The diversity of cell types in the neurosecretory system of the beetle Blaps mucronata. 5308

Trehalose regulation of gucose-6-phosphate hydrolysis in blowfly extracts. 5317

Composition, structure, and mode of formation of mineral granules in the middle intestines of the homopteran Cercopidae. 5334

Relationship between serotonin and the circadian rhthym in some nocturnal moths. 5364

Spermatocysts in Aedes aegypti (Linnaeus). 5397

Histo-morphology of the ovariole in Phcrosophus hilaris, Fabr. (Chrabidae: Coleoptera). 5401

Contribution to the study of higher termite digestion. 5417

Morphological cell death in the post-embryonic development of the insect optic lobes. 5503

The development of male genital ducts and the associated structures in Callosobruchus maculatus (F.) (Bruchidae: Coleptera). 5511

The larval and imaginal oenocytes of Callosobruchus maculatus (Fabricius) (Coleoptera: Bruchidae). 5512

Antennal pulsatile organs in Scolopendra morsitans (Chilopoda:Myriapoda). 5545

Morphology and histology of the brain of mylabris phalerata. 5587

The fine structure of the ventral intersegmental abdominal muscles of the insect Rhodnius prolixus during the molting cycle. Ii Muscle structure at molting. 5648

The fine structure of the ventral intersegmental abdominal muscles of the insect Rhodnius prolixus during the molting cycle. II. Muscle changes in preparation for molting. 5649

The growth and activity of the corpora allata in the larval firebrat, Thermobia domestica (Packard) (Thysanura, Lepismatidae). 5669

Studies of physiologically active arthropod secretions. II. Some observations on the scent pencils of male Vitula edmandsae (Lepidoptera: Phycitidae). 5670

INSECT HORMONES

Puparium formation in flies: Contraction to puparium induced by ecdysone. 5223

Juvenile hormone: Activity of natural and synthetic synergists. 5238

Insect hormones: Olive oil is not an inert vehicle for hormone injection into locusts. 5250

Sterilization of female mosquitoes with a hormone derived from male mosquitoes, Patent 3,450,816. 5272

INSECT IDENTIFICATION

New species of chironomids (Diptera, Chironomidae) from Yashil-kul and Bulun-Kul lakes (Pamirs). 4982

Lepidoptera of the Nevada Test Site. 4987

Wingless Camel Crickets in Lancashire. 4993

Two variant females of Colias (Zerene) cesonia (Pieridae). 4997

Coleoptera from Southeast Asia arranged by M. Chujo (VII). Coccinellid-beetles from E. Nepal, Thailand, Cambodia, Viet-Nam, S. Korea and Is. Ambon, with descriptions of 4 new species and 33 figures. 5000

Systematic revision of the species of the genus Oberea Mulsant all over the world. (Coleoptera Cerambycidae). Second part. 5003

Systematic revision of the species of the genus Oberea Mulsant all over the world. (Coleoptera Cerambycidae) Third part. 5004

A new Chilean species of Opsophagus aldrich, 1926, (Diptera, Tachinidae). 5008

Ixodes walkerae, n. sp. from a bird in Kenya. (Acarina: Ixodidae). 5012

The Pachydeminae (Coleoptera, Melolonthidae) collected by the Hungarian zoological expedition to the Brazzaville Congo. 5014

A new genera of Pachydeminae (Coleoptera, Melolonthidae) of Somalia. 5015

A revision of the leafhopper genus Macropsidius Rib. (Hom., Auchenorrhyncha). 5018

New and so far undescribed Cicadellidae species from Rumania and Italy (Hom., Auchenorrh.). 5019

The Imbecillus and Rufus groups of the spider genus Philodromus in North America. (Araneida: Thomisidae). 5020

Two Noctuidae new for the fauna of Belgium. 5022

Notes on the genus Elymana DeLong (Homoptera Cicadellidae). 5023

Flukea vockerothi, a new genus and new species of Chilean Syrphidae (Diptera). 5027

Beetle finds in the South Ticino, July 1964. 5043

The species of the sub-family Cassidinae (Chrys., Col.) in Bulgaria. 5052

A new species Chrysomela rufoaenea SUFF. for the fauna of Bulgaria from the collection of the Zoological Museum in Sofia, Chrysom., Col. 5053

A new species of Tribolium from North America previously confused with Tribolium madens (Charp.) (Coleoptera: Tenebrionidae). 5055

A new kind of Macrosiphoniella (Macrosiponiella Haerelli n. sp.(Aphididae)) of Artemisia rupestris. 5058

Genitalia of the types of Chilean Satyridae on deposit at the British Museum. 5061

New African Ennominae (Lep. Geometridae). 5062

The genus Lasiodactylus Perty in Japan (Coleoptera: Nitidulidae). 5067

Descriptions of new species of the family Encyrtidae from Czechoslovakia (Hym., Chalcidoidea). II. 5068

Is one able to diagnose the sex of the moth, Celerio euphorbiae (Lep., Sphingidae) in the caterpillar stage . 5070

Descriptions of two new aphid species (Sitobion equiseti sp. n. and Linosiphon asperulophagus sp. n.) from Czechoslovakia (Homoptera, Aphididae). 5072

The Cicadidae of the Ryukyu Archipelago (Hemiptera). 5074

Hadrodactylus branderi n. sp. (Hym., Ichneumonidae) from Finland. 5076

A new species of Batyle from Utah (Coleoptera: Cerambycidae). 5082

Faunistic studies on some acari of the families Myobiidae and Cheyletidae, parasitizing on small mammals in Bulgaria. 5084

Contribution to the study of Aphididae (Hom) of the French forests. 5087

First records of two butterflies in Wisconsin (Nymphalidae, Pieridae). 5098

Cosymbia pupillaria Hbn. at an altitude of 3200 meters. 5099

Scorpions, whip scorpions and wind scorpions of Florida. 5108

Contributions to a study of the Pyraustinae (Lepidoptera: Pyralidae) of temperate East Asia. V. 5109

A new species and new records of Mackiena (Acarina, Trombiculidae). 5111

New Thysanoptera from central Asia (U. S. S. R.). 5118

Two new species of Oedaleothrips (Thysanoptera) from Asia. 5119

New description of palearetic Scrobipalpa species. (Lepidoptera, Gelechiidae). 5126

A review of the genus Dicteisia Bedford (Mallophaga: Menoponidae) with description of a new species. 5127

The identity of Naphius seed bug pests in Africa (Hemiptera: Lygaeidae). 5143

Key for the determination of species from U.S.S.R. belonging to the genus Scolytus Geoffroy (Scolytidae, Coleoptera). 5145

Two new species of Praon Haliday from Czechoslovakia (Hym., Aphidiidae). 5146

Entomological results of catches in the area of San Bernardino (Misox Gr), which has not been fully explored lepidoterologically. (A building block of the Swiss Lepidoptera fauna). 5147

Discovery of the genus Anusioidea Girault from Asia (Hymenoptera: Chalcidoidea-Encyrtidae). 5152

A new name for Metaphycus eriococci Alam (Hymenoptera: Chalcidoidea-Encyrtidae). 5153

Evansipsylla thysanota, a new genus, new species of flea from Nepal (Siphonaptera: Hystrichopsyllidae). 5156

On some Sphecoidea from the Ryukyus (Hymenoptera). 5157

Reassignment of the Ambigua group of Pristiphora to a new genus, Sharliphora (Hymenoptera: Tenthredinidae). 5172

Argas (Argas) Japonicus, new species, associated with swallows in Japan and Korea (Ixodoidea, Argasidae). 5174

The Cosmopolites banana weevils (Coleoptera: Curculionidae: Rhynchophorinae). 5177

A comparative electrophoresis study of the Triatoma rubida Complex (Hemiptera: Reduviidae: Triatominae). 5181

Watch for the cereal leaf beetle. 5186

Hard to kill pests of fruit trees - woolly apple-aphid. 5195

Notes on some Nematinae from Czechoslovakia (Hym., Tenthredinidae). 5218

New contributions to the study of chalcids in the Socialist Republic of Rumania (XIV). 5234

Final report, studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan; June 1961-June 1966. Part I. Scale insects. 5323

Final report, studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan. June 1961 - June 1969. Part II. Fruit flies. 5324

Faunal and zoocenological analysis of the soil insect communities in the ecosystem of shelterbelt and field. 5333

Blacus-dances, experiences and studies (Braconidae, Hymenoptera). 5344

The females of Laelius anthrenivorus Trani (Hym. Bethylidae) attacking man. 5492

The beetles (Coleoptera) of Babia Gora Mountain (Polish Western Carpathians). 5518

Oogenesis in the parthenogenetic stick insect Sipyloidea sipylus Westwood (Orthoptera, Phasmidae). 5529

Control of household insects. 5593

Immature stages of Elasmotropis testacea (H. - S.) and notes on the bionomics of the species (Heteroptera, Tingidae). 5632

Variation in Chlorion latreillei (Hymenoptera, Sphecidae). 5647

European pine shoot moth. 5663

Identification of the host range of Culex tritaeniorhynchus mosquitoes on Okinawa, Ryukyu Islands. 5765

Capsid bugs on fruit. 6225

The pink bollworms of cotton, Pectinophora gossypiella Saund., in a protected northwest zone and diagnostic characteristics. 6227

A viticultural crisis of more than a quarter of a century: It has been a century since France discovered Phylloxera. 6254

The occurrence of the capillate louse, Solenopotes capillatus, in South Africa. 6887

A record of the mite, Speleognathus australis, in bovines in South Africa. 6888

Mass appearance at Brussels of Sitotroga cerealella Ol. (Gelechiidae). 7036

INSECT METABOLISM

Some properties of the microsomal system metabolizing DDT in Triatoma infestans. 5183

Oxidative metabolism of carbohydrates in phytophagous insects. I. Glycolysis in the cotton stainer Dysdercus fasciatus Signoret (Pyrrhocoridae, Hemiptera). 5189

Rearing of Ips cembrae larvae on artifical diets: Some essential amino acids and sugars. 5206

The physiology of mosquitoes. 5266

On the metabolism of pterine and its hydrogen derivatives in Colias croceus (Fourcroy) (Lepidoptera-Pieridae). 5286

Nicotinamide-adenine dinucleotide-linked form of lactic dehydrogenase of the symbionts and fat bodies of a cockroach. 5295

Piperonylic acid conjugates with alanine, glutamate, glutamine, glycine, and serine in living houseflies. 5296

Metabolism of aniline in the cattle tick Boophilus microplus Canestrini. 5368

Metabolism of the muscle of the scorpion. 5403

Fatty acid metabolism in D. melanogaster: Formation of palmitoleate. 5404

Chlorinated hydrocarbon insecticide inhibition of cockroach and honey bee ATPases. 5414

Regulation of tryptophan metabolism in the parasitic wasp, Habrobracon juglandis. 5439

Utilization of larval cholestrol-4-C14 for reproduction in house flies fed unlabeled cholesterol in the adult diet. 5481

Observations on the oxygen consumption of tsetse larvae (Glossina morsitans). 5542

Lindane: Metabolism to a new isomer of pentachlorocyclohexene. 5552

Physiological studies on the digestion of coccinellid beetles (Coleoptera: Coccinellidae), with special reference to their food habits. 5579

Oxidative metabolism of C14-labeled Baygon by living house flies and by house fly enzyme preparations. 5604

Some factors that condition feeding in larvae of the migratory locust, Locusta migratoria migratorioides (Orthoptera, Acrididae). I. External factors. 5613

Study of the insecticidal action of trans-chrysanthemate alletrholone on Musca domestica. 6693

Phospholipase A in the venom of the Australian bulldog ant Myrmecia pyriformis. 7180

INSECT MIGRATION

Cosymbia pupillaria Hbn. at an altitude of 3200 meters. 5099

The study of the aerial migration of insects as applied to phyto-sanitary control. 5237

Selection for divergent emigration rates in laboratory populations of Musca domestica. 5269

Biological observations on the desert locust (Schistocerca migratoria migratorioides) in Chad. 5285

The control of the house fly in the city of Tunis. 5297

The hemlock sawfly in southeast Alaska. 5353

Meteorological aspects of insect migrations. 5379

Cyclophora pupillaria Hb. in Belgium (LepidopteraGeometridae). 5438

Emigration and mortality rates and the food-shelter conditions of Ligidium hypnorum L. (Isopoda). 5624

Effects of selection and migration on geotactic and phototactic behaviour of Drosophila. II. 5702

INSECT MORPHOLOGY

Soviet entomology during the period 1917-1967. (JPRS 43,647) Transl. 16962. 4966

A brief note on entomology. 4977

Cynipinae (Hymenoptera) occurring on Phlomis L. 5128

The validity of the separation of Thrips physapus L. and T. hukkineni Priesner (Thysanoptera: Thripidae). 5166

The morphology and systematic of Coptopteryx gayi (Blanchard) 1851 (Mantidae). 5176

Continuous variation in related species of the genus Catocala (Noctuidae). 5180

On the multiple effects of oedymerism in the males of Nesothrips falcatus Ananthakrishnan. 5190

Investigations into the circulatory system of the migratory locust (Locusta migratoria migratorioides tr. et F., Orth.) with special reference to the blood pressure. 5215

Contribution to the knowledge of the Cosmopolites sordidus (Germar)(Coleoptera, Curculionidae). (2). 5216

A seasonal form of Baliochila singularis Stempffer and Bennett from Southern Rhodesia (Lepidoptera: Lycaenidae). 5220

Studies on the anatomy of the male reproductive system of the red-cotton bug, Dysdercus cingulatus (Fabr.), (Heteroptera, Pyrrhocoridae). 5229

The cheliceral flagellum of pseudoscorpions. 5231

Evolutionary trends in Heteroptera. Part I Eggs. architecture of the shell, gross embryology and eclosion. 5267

The development of fat bodies in the larvae of Calliphora erythrocephala Meig,. 5277

On the functional morphology of water striders. I. The morphology of the locomotive apparatus of Gerris lacustris L. (Heteroptera: gerridae). 5279

Studies of house flies. I. Breeding of Musca sorbens, Wied.. 5282

Phoretic copulation in Hymenoptera. 5298

The imaginal cells of the clypeo-labrum and the development of the proboscis of Drosophila melanogaster. 5321

The male genetalia of Sepullia murrayi (Fairmaire Signoret (Homoptera: Cercopoidea). 5326

The hemlock sawfly in southeast Alaska. 5353

Pigment movement and the crystalline threads of the firefly eye. 5372

Biochemical correlates of respiratory and developmental changes in anoxic Tribolium confusum pupae. 5408

Contribution to the study of higher termite digestion. 5417

Male genitalia of the species of Depressaria Haworth s. l. (Lepidoptera, Oecophoridae) occurring in the Netherlands (Addenda). 5427

Experiments with an artificial spermatophore in cockchafer (Melolontha melolontha L.). 5431

Quantitative study of divergence in the morphological evolution of certain infraspecific entities in domestic honeybees (A. mellifera L.). 5448

Morphology, anatomy and development of the gall of Rhabdophaga ramicola rubs. in Salix purpurea L. 5449

A tactile seta of the Two-spotted Spider Mite, Tetranychus urticae K. (Acarina: Tetranychidae). 5460

A bipolar differentiated gynandromorph of Culex tarsalis Coquillett, from Texas. 5476

Production of dauer pupae in Bombyx mori L. 5482

On the morphology of the last abdominal segment of female Bombyliidae (Diptera). 5483

Temperature and termination of diapause in Epicauta gorhami Marseul (Coleoptera, Meloidae), with particular reference to the mechanism of contemporaneous emergence. 5491

Morphological cell death in the post-embryonic development of the insect optic lobes. 5503

A note on the metamorphosis of the mid-gut epithelium in Callosobruchus maculatus (F.) (Bruchidae: Coleoptera). 5513

Phytophagous mites; species of widest distribution in Argentina. 5540

Diptera larvae in soil treated with organic and mineral fertilizers. (I). Family Asilidae-Diptera-Brachycera. 5541

Anatea, an ant-mimicking Theridiid spider from New Caledonia (Araneae: Theridiidae). 5555

Brain of Aphis gossypii Glover. 5586

Morphology and histology of the brain of mylabris phalerata. 5587

Effect of starvation on the scorpion Palamnaeus bengalensis. 5612

Feeding mechanism of a fruit-sucking moth Othreis materna (Lepidoptera: Noctuidae). 5623

Wing reduction in endemic Hawaiian psocids. 5643

Sexual dimorphism of larvae and pupae of Aedes aegypti (Linn.). 5659

Studies of physiologically active arthropod secretions. II. Some observations on the scent pencils of male Vitula edmandsae (Lepidoptera: Phycitidae). 5670

Thermobia domestica (Packard 1873). 5673

Postnatal treatment of the cabbage aphid with a synthetic juvenile hormone. 5676

Morphological divergences and sterility barriers in the Aedes mariae complex (Diptera, Culicidae). 5699

Thymidine teratogenesis and mutagenesis in Drosophila melanogaster. 5732

Selection and temperature effects on extra dorsocentral bristles in Drosophila melanogaster. 5744

The principle insect pests of beets and the means of their control in turkey. 6234

INSECT MORTALITY

Chemosterilization of the two-spotted spider mite. I. Effect of chemosterilants on the biology of the mite. II. Histopathological effect of apholate and 5-fluorouracil on the reproductive organs. 5390

Effects of dimethyl sulfoxide on the biological activity of selected miticides and insecticides. 7280

INSECT MUTATION

Incorporation of tritiated thymidine into the ovarian DNA of stable flies: Effects of treatment with apholate. 5259

Lipids in the melanic mutant of the large milkweed bug, Oncopeltus fasciatus. 5689

Mutants at the bobbed locus in Drosophila melanogaster: Relation to ribosomal RNA synthesis. 5706

The variation from year to year of the concentration and allelism of lethal mutations in neighbouring natural populations of Drosophila melanogaster. 5707

The mutagenic effect of 600 MeV protons in Drosophila melanogaster. 5717

Selection for higher fitness in populations of Drosophila pseudoobscura. 5720

On the reversible character of delayed mutations induced by nitrosocompounds in Drosophila melanogaster. 5730

Thymidine teratogenesis and mutagenesis in Drosophila melanogaster. 5732

Temperature-sensitive mutations in Drosophila melanogaster, III. Dominant lethals and semilethals on chromosome 2. 5740

Selection and temperature effects on extra dorsocentral bristles in Drosophila melanogaster. 5744

INSECT NAMES

A brief note on entomology. 4977

Genitalia of the types of Chilean Satyridae on deposit at the British Museum. 5061

The synonomy in Citrinophila Kirby and further notes on Epitola Westwood and Alaena Boisduval (Lepidoptera: Lycaenidae). 5075

Ixodes (Lepidixodes) kopsteini Oudemans, 1925, valid name for I. (L.) paradoxus Kohls and Clifford, 1961, with notes on distribution and hosts (Acarina: Ixodidae). 5083

What is Pieris dubiosa Rober (Lep., Pieridae). 5133

A new name for Metaphycus eriococci Alam (Hymenoptera: Chalcidoidea-Encyrtidae).
5153

The morphology and systematic of Coptopteryx gayi (Blanchard) 1851 (Mantidae).
5176

INSECT NEMATODES

Description and taxonomic position of the DD-136 nematode (Steinernematidae, Rhabditoidea) and its relationship to Neoaplectana carpocapsae Weiser.
5533

INSECT NESTS

Australia's honeypot ants.
5312

INSECT NUTRITION

The physiology of mosquitoes.
5266

Effect of food availability on rates of loss of 45calcium from Hyphantria cunea (Lepidoptera: Arctiidae).
5268

Long-term regulation of sugar intake by the blowfly.
5322

Notes on larval host acceptance in a California population of Plebejus acmon (Lycaenidae).
5331

Effect of the age of pollen used in pollen supplements on their nutritive value for the honeybee-li. Effect of vitamin content of pollens.
5347

Effect of the age of pollen used in pollen supplements on their nutritive value for the honeybee. I. Effect on thoracic weight, development of hypopharyngeal glands, and brood rearing.
5348

Mosquitoes feeding on insect larvae.
5359

Effect on aphid feeding of dietary methionine.
5479

A new foodplant for Euphydryas phaeton (Nymphalidae).
5487

An attempt to correct some mistakes and misconceptions about some fungus beetles and their habitats.
5517

Foodplants of Callophrys (Incisalia) iroides.
5536

Heart poisons in the monarch butterfly.
5554

Artificial diet for cecropia and other saturniid silkworms.
5560

Substances that attract caged honeybee colonies to consume pollen supplements and substitutes.
5565

An instrument to hold rabbits for blood sucking Simuliid experiments.
5574

Contributions to the study of the biometric characteristics of the silkworm as influenced by nutrition.
5589

Resistance of Chaoborus Light. larvae to lack of food.
5607

Emigration and mortality rates and the food-shelter conditions of Ligidium hypnorum L. (Isopoda).
5624

Genetic and environmental control of melanotic tumors in Drosophila.
5719

Culex nigripalpus: Seasonal shift in the bird-mammal feeding ratio in a mosquito vector of human encephalitis.
5753

Feeding of Aulacophora foveicollis on cucurbitacin.
6253

INSECT OUTBREAK FORECASTING

The leatherjacket risk grows.
5447

Improvement of the agricultural warning (device) against the cereal gall moth (Cnephasia pumicana Zell., Lep. Tortricidae).
6164

Ecology of insect vectors, forecasting, and chemical control.
6205

INSECT OUTBREAKS

Studies on the attack behavior of the southern pine beetle. I.THE spreading and collapse of outbreaks.
5942

Studies on the attack behavior of the southern pine beetle. III. Sequence of tree infestation within stands.
6177

Mass appearance at Brussels of Sitotroga cerealella Ol. (Gelechiidae).
7036

INSECT PESTS

Soviet entomology during the period 1917-1967. (JPRS 43,647) Transl. 16962.
4966

Division of Entomology Annual Report, 1966-67.
4968

A brief note on entomology.
4977

Mites collected from Douglas-fir foliage in Montana.
5030

Contribution to the study of Aphididae (Hom) of the French forests.
5087

On the presence in France of Nearctaphis bakeri Cowen, a dangerous pest of cultivated clover in the U. S. A. (Homoptera, Aphididae).
5089

On some Scolytidae and Platypodidae of economic importance from the territory of Papua and New Guinea. 250. Contribution to the morphology and taxonomy of the Scolytoidea).
5142

The identity of Naphius seed bug pests in Africa (Hemiptera: Lygaeidae).
5143

A widely distributed pine sap injurious, Acanthophila piceana n. sp. (Lep. Gelechiidae) in Latvia.
5150

Proceedings of the Entomological Society of Ontario.
5158

Watch for the cereal leaf beetle.
5186

Bombs away on bugs.
5194

Early season insects no problem for B. A. Jordan.
5196

Analysis of bark beetle mortality in spruce forests in Poland.
5205

The question of resistance to pesticides.
5207

Cotton pests control by ultra low volume spraying from the air.
5228

Results of consecutive matings of female Anopheles gambiae species B with fertile and sterile males.
5242

The standardization of products based on Bacillus thuringiensis.
5245

Spraying in mustard is a must.
5258

Integrated control of fruit tree pests. Orchard mites. Orchard insects.
5292

Entomophthorous fungi as a natural factor in decreasing pea aphid populations.
5299

Tobacco insect control.
5315

Final report. Studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan, June 1961 - June 1966. Part III. Mites.
5325

DDT resistance in Oncopera.
5355

Control home vegetable garden insects.
5358

Gesapon for insect pests.
5387

Insects and related pests of house plants; how to control them.
5395

Common soybean insects.
5405

Grasshopper control, 1969.
5411

A technique for maintenance and rearing of Odoiporus longicollis.
5424

Use of histopathology indices of haemolymph for the prognosis of mass propagation of pests.
5434

Susceptibility of insects to entobacterin.
5440

A molecular bomb for the war against insects.
5441

Sex attractant identified in click beetles of the sugar-beet wireworm.
5442

The leatherjacket risk grows.
5447

Southern tree chapter briefed on borer control.
5459

Home garden insect control.
5472

A new chemical for control of scarlet and pink mite.
5484

A possibility of using dimethyldichlorvinylphosphate in the fight againt red cockroaches. (abstract).
5495

New strategy against the codling moth.
5520

Pest control by the biological method.
5523

New horizons in the fight against insects.
5524

Simultaneously effective anti-fungal and insecticidal or acaricidal pesticides. Patent 3,450,818.
5527

On the use of Bacillus thuringiensis-insecticide combinations to control insect pests.
5537

Effect of natural parasitization on the population of paddy gallfly, Pachydiplosis oryzae Mani.
5546

Codling moth control with carbofuran.
5547

Vapona for the control of museum pests.
5576

Control of household insects.
5593

Michigan's priority war on mosquitoes.
5601

Rational pesticide application.
5614

The role of phytocides on the pathology of the phytophagous invertebrates.
5616

Domestic quarantine notices. White-fringed beetle.
5620

Aphidofauna of honey plants as a source of subsidiary hosts of aphidiid wasps (Hymenoptera, Aphidiidae).
5628

Relative susceptibility of stored-product insects to insecticides.
5631

INSECT PESTS

Salivary secretion in the cattle tick as a means of water elimination. 5641

Biological observations on Aegeria apiformis Cl. 5642

The occurrence of Argas japonicus and Ixodes lividus in Nagano Prefectur, Japan (Ixodoidea: Argasidae; Ixodidae). 5652

Lawn insects; how to control them. 5658

Lace bugs. 5661

Bagworm. 5662

European pine shoot moth. 5663

Integrated and harmonious control of insect pests. 5667

Contribution to the study of the population dynamics of the plant louse Toxoptera autantii (Boyer) on lemon trees (Citrus limon Burm). 5674

Use of bioassay in plant protection. 5677

Controlling insect pests in header-harvesters. 5678

Life history, habits, and damage of Chrysobothris orono (Coleoptera: Buprestidae) on red pine in Michigan. 5680

Observations on the use of a preparation of Bacillus thuringiensis var. thuringiensis Berliner, for the control of the olive moth (Prays oleae Bern.). 5686

Unique problems in insect and pest control of NASA's Mississippi Test Facility. 5755

Report of thirty-ninth annual meeting. 5756

Specialist advice on groundnuts. 5776

Soya beans - specialist advice. 5777

Crop protection; computers, simazine, corn seed beetle. 5780

The present and future situation of peach culture in Ferrara. 5789

The sugar beet. 5791

Pesticidal use of benzothiophenes and benzothienothiophenes. Patent 3,433,874. 5792

Sorghum - specialist advice. 5793

Encyclopedia of phyto-sanitary treatments of grapes in Champagne. 5795

1969 fruit spraying recommendations for commercial growers. 5802

Plant protectors. 5812

Diseases and pests of coconut in Kerala. 5814

Man insects and pesticides. 5817

Pesticide application for fruit trees at the of winter and in the spring. 5820

The present status of rice pest research and control. A literature review. 5827

Growing vegetables in South Dakota. 5832

Guidelines for production of vegetables for processing in Arkansas. 5833

Pests and diseases of arecanut. 5841

Plant protection. Bulletin of the plant protection station of Geneva. January. 5844

Figs for commercial and home orchards in Louisiana. 5850

Combining abilities and relative dominance among maize inbreds for resistance to earworm injury. 5852

Growing camellias. 5859

Controlling insects and diseases on trees. 5897

Chemical control of harmful insects. 5996

Control of vegetable insects and diseases. 6017

Plant insect and disease control in Peru. 6061

Effect and compatibility of nutrient sprays with insecticides and fungicides for groundnut (A. hypogea). 6063

Protection of vineyards from plant diseases. 6087

Field studies on the chemical control of the stem borer Chilo partellus on hybrid sorghum in India. 6143

Damage caused by adults of Lepidoptera Noctuidae in mango fruits in 1964. 6145

The water weevil problem. 6146

On the significance of the Lygus species as a plant pest. 6154

Infestation rate and damage by the Nantucket pine tip moth in six loblolly pine stand categories. 6156

Insect pests of pulse crops. 6157

Alfalfa insects in Ohio. 6158

Control of some pests of evergreens. 6162

Insect-pests attacking sugar cane at Agra. 6165

Alternate hosts of the greenbug. 6170

Twig and branch mortality of American beech infested with oystershell scale. 6172

Notes on gall-midges from Israel and their parasites. 6178

1969 insect control guide for Colorado. I. Cereal crops, field crops, forage crops, stored grain. 6182

1969 tree fruit spray guide. 6183

1969 insect control guide for Colorado. II. Vegetable crops. 6184

Control of insects on alfalfa and red clover. 6185

Insect control in cotton. 6186

Description, damage and control of the southwestern corn borer. 6188

Bloodworms- pests of rice. 6200

Insecticide recommendtions for tobacco fields, 1969. 6203

Dryfarm wheat insects. 6208

Gypsy moth (Ocneria dispar) control in the roadside plantations. Transl. 17032. 6209

Old pests with new appetites. 6215

The use of entomopathogenic microorganisms in agriculture: Actual and prospective potentialities offered by Bacillus thuringiensis Berliner. 6217

Cotton production: Insects - comparative economic insect report. 6219

The South African carnation roller moth Epichoristodes acerbella (Walk.) Diakonoff. 6220

Maryland arborists discuss insect control. 6221

Capsid bugs on fruit. 6225

Insect pests of palm trees. 6230

Insect pests of barley and their control. 6231

Italian beet culture. The protection against insect pests. 6233

The principle insect pests of beets and the means of their control in turkey. 6234

Insect pests of grain in the field of Turkey. 6235

Navy bean pests. 6238

Insects and diseases of vegetables in the home garden. 6242

Pests of legume seed crops in north Queensland. 6245

Bionomics of Drosicha mangiferae (Green) on citrus including new record of its three natural enemies. 6246

1969, strawberry insect and disease control. 6247

New insecticides against pests of rape and beets. 6248

Preliminary observations on Heteronychus robustus ArrowA beetle pest of sugarcane in Uttar Pradesh. 6250

The problem of leaf hoppers on paddy. 6252

A viticultural crisis of more than a quarter of a century: It has been a century since France discovered Phylloxera. 6254

Studies on the antifeedant against the catterpillars of Pericallia ricini F. (Arctiidae) and Spodoptera littoralis Boesd. (Noctuidae: Lepidoptera) on castor (Ricinus communis L.). 6259

Annual pest control programs for Central California. 6260

Early spring treatment in desert areas of California and Arizona. 6261

Systemic activity of UC-21149 against the citrus red mite, citrus thrips, California red scale, and spirea aphids on nonbearing orange trees. 6265

Control peanut insects and diseases. 6266

Cotton insect pest control. 6269

All we know about pink bollworms. 6271

The amount of foliage consumed or destroyed by laboratory-reared larvae of the black-headed budworm, Acleris variana. 6272

Bark beetles. 6273

Insects on trial in fight against lantana. 6276

Control cotton insects. 6278

Phenology of the potato tuber moth, Gnorimoschema operculella Zell., in Israel in the spring. 6280

Review of work on major insect pests of rice in Malaysia. Part I. Malayan region. 6281

Orangeworms in interior districts of Southern California. 6306

Lice and mites in poultry. 6890

1969 insect control guide for Colorado. III. Livestock pests, poultry pests, farm fly control. 6892

Pre-treated rice hull litter for the control of the lesser mealworm (Alphitobius diaperinus Panzer). 6896

Insect and mite pests of livestock, poultry, and farm buildings. 6899

1969, controlling insects on sheep and goats. 6905

Fumigate stored rice to reduce loss to insects. 7030

Saving stored rice from attacks of insect pests. 7037

Oil deposit on grapefruit leaves with 3 types of spray equipment in relation to control of certain citrus pests. 7101

Toxicity of DDT and related compounds to certain lepidopteran cotton insects. 7215

Aspects of the industrial production of microbial insect control agents. 7404

Pesticide chemicals; a programmed text. TP248.P47C6. 7419

INSECT PHYSIOLOGY

Soviet entomology during the period 1917-1967. (JPRS 43,647) Transl. 16962. 4966

Division of Entomology Annual Report, 1966-67. 4968

A comparative electrophoresis study of the Triatoma rubida Complex (Hemiptera: Reduviidae: Triatominae). 5181

Polarized light observations on striated muscle contraction in a mite. 5198

Bromolysergic acid diethylamide in physiological studies of lepidopterous larvae. 5199

Study of variations in neurosecretion at the level of the brain and the sub-esophageal ganglion in the female imagos of Rhodnius prolixus (Stal) Hemiptera. 5202

Histophysiological studies on neurosecretion in the ventral nervous system of Rhodnius prolixus Stal (Hemiptera) during the imago stage. 5213

Investigations into the circulatory system of the migratory locust (Locusta migratoria migratorioides tr. et F., Orth.) with special reference to the blood pressure. 5215

Puparium formation in flies: Contraction to puparium induced by ecdysone. 5223

The action of extracts of parasympathetic organs and corpora cardiaca on diuresis in several insects. 5225

Effects of the inhibitor of xanthine dehydrogenase, 4-hydroxypyrazolo(3,4 d)pyrimidine (or HHP) on the red eye pigments of Drosophila melanogaster. 5232

Mechanism of rhythmic synchronous flashing of fireflies. 5243

Bracken and locust ecdysones: Their effect on molting in the desert locust. 5251

The golgi body origin and the development of the vacuolary bodies implied in the degeneration of the molt glands of Locusta migratoria migratorioides (R. and F.). 5254

Mechanical transmission of Trypanosoma lewisi (Kinetoplastida: Trypanosomidae) by Rhodnius prolixus (Hemiptera: Reduviidae). 5261

Research on the reactions of Ips sexdentatus Boerner to terpenic fumes of several conifers. 5262

Evaluation of some parameters of the individual energy budget of the larvae of Pteromalus puparum (L.) (Pteromalidae) and Pimpla instigator (Fabr.) (Ichneumonidae). 5264

Physiological modifications caused by the photoperiod during the time preceeding diapause in the Pieris brassicae L. larvae. 5265

The physiology of mosquitoes. 5266

D-Amino acids in animals. 5271

Chemosterilization of screw-worm flies, Cochliomyia hominivorax (Coquerel) (Diptera: Calliphoridae): Influence of age at treatment and mating, effect on survival, and transfer of chemosterilant by contamination. 5275

The development of fat bodies in the larvae of Calliphora erythrocephala Meig,. 5277

Two major effects of the corpus allatum in the adult Colorado beetle (Leptinotarsa decemlineata Say). 5281

A note on the feeding mechanism of two fleas. 5283

Changes in neurosecretory activity at different stages in the adult Hyalomma dromedarii Koch, 1844. 5287

Juvenile sterility in male ticks of Orinthodoros tholozani. 5303

The diversity of cell types in the neurosecretory system of the beetle Blaps mucronata. 5308

Relation of eye color to molting in Periplaneta americana l. 5309

Action spectra for phase shifts of a circadian phythm in Drosophila. 5310

Central control of an insect segmental reflex. II. Analysis of the inhibitory input from the metathoracic ganglion. 5311

The imaginal cells of the clypeo-labrum and the development of the proboscis of Drosophila melanogaster. 5321

Composition, structure, and mode of formation of mineral granules in the middle intestines of the homopteran Cercopidae. 5334

A sodium and potassium stimulated adenosine triphosphatase in the cockroach nerve cord. 5337

Blacus-dances, experiences and studies (Braconidae, Hymenoptera). 5343

Effect of the age of pollen used in pollen supplements on their nutritive value for the honeybee-Ii. Effect of vitamin content of pollens. 5347

Effect of the age of pollen used in pollen supplements on their nutritive value for the honeybee. I. Effect on thoracic weight, development of hypopharyngeal glands, and brood rearing. 5348

Life history of Heliolonche carolus (Noctuidae). 5354

The modification of embryologic differentiation processes through total radiotherapy in eggs of Gryllus domesticus. 5362

A hermaphrodite Quilaphoetosus janirioides (Blanchard). (Lepidoptera, Satyridae). 5363

Study of the hemocytes of Locusta migratoria L. (Orthoptera). 5367

Contribution to the physiology of the guest-host-relations (myrmecophily) in ants. I. The relation between the myrmecophilic Atemeles- and Lomechusa-larvae and Formica. 5369

Gas-liquid chromatography analysis of DDT metabolism in Aedes aegypti. 5370

Medium and long-term changes in the behavior of visual neurones in the tritocerebrum of locusts. 5371

Uptake of atmospheric water by the hen flea Ceratophyllus gallinae (Schrank). 5377

Ovarian response to corpus allatum in Iphita limbata Stal.. 5386

Differences in light reactions of larvae of the armyworm Leucania separata Walker in relation to their phase status. 5388

Spermatocysts in Aedes aegypti (Linnaeus). 5397

Common soybean insects. 5405

Investigations concerning resistance to cold of Araneus cornutus (Araneidae). 5409

Estimation of the individual number entering each development stage in an insect population. 5413

The effect of barometric pressure and other factors on eclosion of the cabbage butterfly Pieris rapae (Pieridae). 5416

Contribution to the study of higher termite digestion. 5417

Radiographic study of intestinal transit in a higher termite. 5418

Transmission experiments on the tungro virus in Thailand. 5429

Effect of ligaturing on puparium formation in the larva of the tsetse fly, Glossina morsitans Westwood. 5432

Study of the sensory equipment of the distal joint of the palpi in Locusta migratoria migratorioides (F. and R.) larvae. 5436

The relations between transpiration, humidity reaction, thirst and water content in the shorebug Saldula saltatoria L. (Heteroptera: Saldidae). 5443

The calcium sensitivity of ATPase activity of myofibrils and actomyosins from insect flight and leg muscles. 5456

SUBJECT INDEX

Mosquito control agents derived from petroleum hydrocarbons. III. The effect of FLIT MLO on first and second larval instars. 5470

The optics of insect compound eyes. 5473

Effect on aphid feeding of dietary methionine. 5479

The ingestion in wolf spiders. I. Capacity of gut of Lycosa pseudoannulata. 5493

Colour vision and colour preference in the tropical eye-fly. 5494

Evolution toward a single phenotype and persistance of the molting glands in Locusta migratoria cinerascens, gregarious phase, under the influence of carbonic gas. Experimental and ultrastructural study. 5498

Central nervous system control of circadian rhythmicity in the cockroach. II. The pathway of light signals that entrain the rhythm. 5500

Central nervous system control of circadian rhythmicity in the cockroach. III. The optic lobes, locus of the driving oscillation . 5501

Perfusion fluid for the scorpion, Heterometrus fulvipes. 5510

The development of male genital ducts and the associated structures in Callosobruchus maculatus (F.) (Bruchidae: Coleptera). 5511

Hormonal control of the reproductive diapause in the grasshopper, Oedipoda miniata. 5522

New horizons in the fight against insects. 5524

Ionic composition of haemolymph and nervous function in the cockroach, Periplaneta americana L. 5528

Repeated pregnancy and duration of the gestation period in the scorpion, Isometrus maculatus De Geer (Fam., Buthidae). 5539

Phytophagous mites; species of widest distribution in Argentina. 5540

Antennal pulsatile organs in Scolopendra morsitans (Chilopoda:Myriapoda). 5545

Lindane: Metabolism to a new isomer of pentachlorocyclohexene. (abstract). 5551

Seasonal development and habits of Pseudopityophthorus spp. (Coleoptera: Scolytidae) in southern Ohio. 5557

Flea Ctenophthalmus: Heterogeneous hexagonally organized layer in the midgut. 5558

Accessory glands of female Culex pipiens quinquefasciatus Say and autogenous Culex pipiens pipiens L. (Diptera, Culicidae): Appearance and behavior in relation to oogenesis. 5567

Dishabituation and arousal in the response of single nerve cells in an insect brain. 5568

Postembryonic development of the brain of Musca domestica. 5585

Visual centers during postembryonic life of Callosobruchus maculatus (F.). 5588

Studies on the mode of action of the chemosterilants 5-imidazolidinone and 4-imidazolin-2-one in the house fly and in the large milkweed bug. 5591

The spike-frequency in motor neurons of the cockroach Periplaneta americana L. 5595

Intracellular concentration of electrolytes in the housefly. 5598

The oxygen binding properties of some larval hemoglobins of Chironomus th. thummi. 5606

Resistance of Chaoborus Light. larvae to lack of food. 5607

The behaviour of Chaoborus Licht. larvae under unfavourable oxygen conditions. 5608

A relationship between ionic environment and hormonal activation of phosphorylase in an insect. 5629

Immature stages of Elasmotropis testacea (H. - S.) and notes on the bionomics of the species (Heteroptera, Tingidae). 5632

Sterilizing effect of high temperature on the male silkworm, Bombyx mori L. (Lepidoptera: Bombycidae). 5634

Salivary secretion in the cattle tick as a means of water elimination. 5641

The fine structure of the ventral intersegmental abdominal muscles of the insect Rhodnius prolixus during the molting cycle. II. Muscle changes in preparation for molting. 5649

An anion-stimulated adenosine triphosphatase from the potassium-transporting midgut of the larva of Hyalophora cecropia. 5651

Development course of northern cattle grub, Hypoderma bovis, male reproductive cells. 5666

Optical orientation mechanisms in the homing behavior of Cataglyphis bicolor Fab. (Formicidae, Hymenoptera). 5671

Life history, habits, and damage of Chrysobothris orono (Coleoptera: Buprestidae) on red pine in Michigan. 5680

Cuticular water pump in insects. 5681

Metabolism of organophosphorus insecticides. IX. Distribution, excretion and metabolism of dimethoate Prodenia lituria. (abstract). 5690

Insecticide resistance in the home of Culex pipiens fatigans Wiedemann. 5708

Analysis of a 6X6 diallel cross for hatchability in Drosophila melanogaster. 5734

Ecdysones and analogs: Effects on development and reproduction of insects. 5835

Isolation of the organism causing yeast-spot disease from the salivary system of the green stink bug. 6176

Description, damage and control of the southwestern corn borer. 6188

Alfalfa weevil control, 1969. 6206

A viticultural crisis of more than a quarter of a century: It has been a century since France discovered Phylloxera. 6254

Study of the insecticidal action of trans-chrysanthemate alletrholone on Musca domestica. 6693

Effect of floxosceles reclusa Gertsch and Mulaik venom against hemocytes of Acheta domesticus (Linnaeus). 7191

INSECT POLLINATORS

Insect answers; insecticide toxicity to alfalfa-pollinating bees. 5394

INSECT POPULATION CONTROL

Entomophthorous fungi as a natural factor in decreasing pea aphid populations. 5299

Burning weeds in drainage ditches to suppress populations of green peach aphids and incidence of beet western yellows disease in sugarbeets. 6395

INSECT POPULATIONS

The insect world. Series: The universe of knowledge. 4967

The study of the aerial migration of insects as applied to phyto-sanitary control. 5237

Action spectra for phase shifts of a circadian phythm in Drosophila. 5310

Insect-flower associations in the high Arctic with special reference to nectar. 5366

Effects of forest spraying with DDT on aquatic insects of salmon streams in New Brunswick. 5380

Chemosterilization of the two-spotted spider mite. IV. Effect on population. 5391

Fluctuations in numbers and reduction of the Colorado beetle (Leptinotarsa decemlineata Say) in natural conditions. 5402

The 24-inch branch as a sample unit for egg mass surveys of the western budworm. 5463

Conditions determining the initiation and development of nuclear polyhedrosis epizootics in Lepidoptera. 5506

The beetles (Coleoptera) of Babia Gora Mountain (Polish Western Carpathians). 5518

Two methods of operating a vacuum sampler to sample populations of the cotton fleahopper on wild hosts. 5559

The natural and artificial dispersion of pathogens. 5561

The study of virus epizootics in insect populations. 5625

Report of the Suffolk County Mosquito Control Commission. 5633

Seasonal distribution, sex ratios, and mating of female noctuid moths in blacklight trapping studies. 5655

Selection for higher fitness in populations of Drosophila pseudoobscura. 5720

Alternate hosts of the greenbug. 6170

Systemic activity of UC-21149 against the citrus red mite, citrus thrips, California red scale, and spirea aphids on nonbearing orange trees. 6265

INSECT PROTECTIVE DEVICES

The alarm-defence system of the ant Acanthomyops claviger. 5553

INSECT REARING

Chironomus strenzkein. sp. (Chironomidae, Dipt), a new laboratory animal. 5031

Conditions of formation of water reservoirs-Breeding places of blood-sucking mosquitoes (Culicidae). 5200

Rearing of Ips cembrae larvae on artifical diets: Some essential amino acids and sugars. 5206

Inflated plastic bags as cages for insects on potted plants. 5212

The toxic action of Bacillus thuringiensis exotoxin on Drosophila reared in yeast-containing and yeast-free media. 5221

Selection for divergent emigration rates in laboratory populations of Musca domestica. 5269

Studies of house flies. I. Breeding of Musca sorbens, Wied.. 5282

On the reproductive biology of Chironomus nuditarsis Str,. 5306

Action spectra for phase shifts of a circadian phythm in Drosophila. 5310

Procedures and materials perfected for the rearing and collection of homopterans (Aphididae and Jassidae) during virus transmission studies. 5313

Studies on interspecies competition between the azuki bean weevil and the southern cowpea weevil. III. Some characteristics of strains of two species. 5318

Airborne factor affecting the grouping behaviour of locusts. 5328

Effect of the age of pollen used in pollen supplements on their nutritive value for the honeybee. I. Effect on thoracic weight, development of hypopharyngeal glands, and brood rearing. 5348

Observations on two species of Culex of the subgenus Melanoconion. 5349

Biosystematics of Phytoseiulus persimilis AthiasHenriot (Acarina: Phytoseiidae). 5407

Estimation of the individual number entering each development stage in an insect population. 5413

A technique for maintenance and rearing of Odoiporus longicollis. 5424

Breeding Lysandra coridon ab. syngrapha. 5445

Notes on Banchopsis ruficornis Cameron (Hym.: Ichneumonidae) an internal larval parasite of Heliothis armigera (Hubner) in India. 5457

The influence of light and temperature variations on the behavior and fecundity of the larch-bud moth Zeiraphera diniana (Gn.) (Lepidoptera: Tortricidae). 5467

The breeding of Lytta vesicatoria in the laboratory and demonstration of cantharidin synthesis in larvae. 5468

1967: The results of artificial biological control of the olive fly. 5480

A technique for rearing trombiculid mites (Acarina) developed in a tropical laboratory. 5489

The ingestion in wolf spiders. I. Capacity of gut of Lycosa pseudoannulata. 5493

Some notes on the rearing of useful insects. 5556

Nest architecture and brood development in a neotropical bumblebee, Bombus atratus. 5578

Functional response to host density in a parasitic wasp, with reference to population regulation. 5640

An improved method for the collection of large numbers of inseminated eggs of Drosophila melanogaster. 5684

The exploitation of genetic heterogeneity among the founders of laboratory populations of Drosophila prior to directional selection. 5711

Relative fitness of a third chromosome inversion in Drosophila melanogaster. 5728

Genetics of resistance to tedion in Tetranychus urticae C. L. Koch. 5731

Selection and temperature effects on extra dorsocentral bristles in Drosophila melanogaster. 5744

INSECT REARING EQUIPMENT

A technique for maintenance and rearing of Odoiporus longicollis. 5424

An instrument to hold rabbits for blood sucking Simuliid experiments. 5574

INSECT REPELLENTS

Insect venoms, attractants, and repellents. XI. Massoilactone from two species of formicine ants, and some observations on constituents of the bark oil of Cryptocarya massoia. 5257

Pest control's 1969 directory of pesticides. 7403

INSECT REPRODUCTION

The physiology of mosquitoes. 5266

Effect of certain alkylating and non-alkylating chemosterilants on Culex fatigans Weid. 5342

Ovarian response to corpus allatum in Iphita limbata Stal.. 5386

Repeated pregnancy and duration of the gestation period in the scorpion, Isometrus maculatus De Geer (Fam., Buthidae). 5539

INSECT RESISTANT PLANTS

Differences among Scotch pine varieties in susceptibility to European pine sawfly. 6279

INSECT RESPIRATION

Biochemical correlates of respiratory and developmental changes in anoxic Tribolium confusum pupae. 5408

Observations on the oxygen consumption of tsetse larvae (Glossina morsitans). 5542

An apparent discontinuity in the relation between temperature and the respiratory rate of tsetse pupae. (Glossina morsitans). 5543

INSECT TAXONOMY

Soviet entomology during the period 1917-1967. (JPRS 43,647) Transl. 16962. 4966

Division of Entomology Annual Report, 1966-67. 4968

The Micropeplidae and Staphylinidae (I. Steninae, Euaesthetinae and Oxyporinae), Coleoptera of Pakistan with descriptions of a new tribe, genus and three species from Karachi. 4980

A key to the Ipswich fossil beetles (Coleoptera) from the Permian of Australia. 4981

New species of chironomids (Diptera, Chironomidae) from Yashil-kul and Bulun-Kul lakes (Pamirs). 4982

Undescribed species of nematocerous Diptera. IX. 4983

Undescribed species of nematocerous Diptera. Part VII. 4984

Undescribe species of nematocerous Diptera. Part VI. 4985

Bees of the Nevada Test Site. 4986

Three new southern African species of Oobius Trjapitzin, 1963 (Hymenoptera: Encyrtidae). 4988

A critical note on The structure and function of sternal spatula in gall midges by S. N. Prasad and P. Grover. 4989

A report on the eulophid (Hymenoptera: Chalcidoidea) fauna of two scottish birch woods. 4990

Two new Inocelliidae species from Asia (Neuroptera, Raphidiodea). 4991

A Nimbaspis Balachw. (Coccoidea-Odonaspidini) new in the Central African grasslands. 4992

The Buprestidae and Cleridae of the Nevada Test Site (Coleoptera). 4994

A probable troglobiont Pseudochthonius (Pseudoscorp.) from Brazil. 4996

Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. LXV. Lepidoptera Hesperiidae. 4998

Notes of larvae of aquatic Coleoptera in the Ethiopian region (Western and Equatorial Africa). 4999

Coleoptera from Southeast Asia arranged by M. Chujo (VII). Coccinellid-beetles from E. Nepal, Thailand, Cambodia, Viet-Nam, S. Korea and Is. Ambon, with descriptions of 4 new species and 33 figures. 5000

New Lamiidae from the British Museum (Natural History), (Coleoptera, Cerambycidae). 5002

Systematic revision of the species of the genus Oberea Mulsant all over the world. (Coleoptera Cerambycidae). Second part. 5003

Systematic revision of the species of the genus Oberea Mulsant all over the world. (Coleoptera Cerambycidae) Third part. 5004

Taxonomic notes on the larvae of British Diptera. No. 26. the presumes larva of Dioctria oelandica (Linnaeus) (Asilidae). 5005

Chemotaxonomy and chemomimicry: The case of 3-hydroxykynurenine. 5006

Immunotaxonomic investigations of the Coleoptera. 5007

A new Chilean species of Opsophagus aldrich, 1926, (Diptera, Tachinidae). 5008

A new Leptocentrus (Homoptera: Membracidae) from the Congo. 5009

New Speleognathinae from Central and South American mammals (Acarina, Trombidiformes). 5011

Ixodes walkerae, n. sp. from a bird in Kenya. (Acarina: Ixodidae). 5012

Notes on macrochelids associated with manure and coprid beetles in Israel. II. Three new species of the Macrocheles pisentii complex, with notes on their biology. 5013

INSECT TAXONOMY

The Pachydeminae (Coleoptera, Melolonthidae) collected by the Hungarian zoological expedition to the Brazzaville Congo. 5014

A new genera of Pachydeminae (Coleoptera, Melolonthidae) of Somalia. 5015

Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. XLIV. Coleoptera Elminthidae. 5016

Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. XLIII. Orthoptera Eusmastacidae. 5017

A revision of the leafhopper genus Macropsidius Rib. (Hom., Auchenorrhyncha). 5018

New and so far undescribed Cicadellidae species from Rumania and Italy (Hom., Auchenorrh.). 5019

The Imbecillus and Rufus groups of the spider genus Philodromus in North America. (Araneida: Thomisidae). 5020

A new tingid from Pakistan (Hemiptera). 5021

Two Noctuidae new for the fauna of Belgium. 5022

Notes on the genus Elymana DeLong (Homoptera Cicadellidae). 5023

Some Typhlocybinae (Homoptera, Cicadellidae) from Mongolia with description of a new species and a new subspecies. 5024

Some observations on the chaetotaxy of the legs of larval Ixodidae (Acari: Metastigmata). 5025

The phenetic relationships of the butterflies. I. Adult taxonomy and the nonspecificity hypothesis. 5026

Flukea voekerothi, a new genus and new species of Chilean Syrphidae (Diptera). 5027

Malayoglyphus intermedius n. g., n. sp., a new mite from house dust in Singapore and Djakarta (Pyroglyphidae: sarcoptiformes). 5028

Epimyodex talpae n. g., n. sp., a sub-cutaneous parasite of the mole in Belgium (Demodicidae: Trombidiformes). 5029

Chironomus strenzkein. sp. (Chironomidae, Dipt), a new laboratory animal. 5031

The immature stages of Lype diversa (Banks) (Trichoptera, psychomyiidae). 5032

Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. LXXVIII. Lepidoptera: Nymphalidae, Danaidae and Riodinidae. 5034

The genus Plectris (Philochlaenia) (ColeopteraMelolonthinae). 5035

New Melolonthids (Col.). 5036

A key to all stages of the British species of the family Neobisiidae (Pseudoscorpiones: Diplosphyronida). 5037

A new species of Lestinogomphus Martin 1912 (Odonata), and the hitherto undexcribed male of Microgomphus camerunensis Longfield 1951. 5038

Two new Galerucinae from Nainital district (Coleoptera-Chrysomelidae). 5039

The genus Protogamasellus Karg (Acari) with descriptions of new species and subspecies from the Ethiopian Region. 5040

Five tydeid mites from Israel (Acarina: Prostigmata). 5041

The spider genus Loxosceles in South America (Araneae, Scytodidae). 5042

Study of the cycle of Geckobia latastei and Geckobia loricata, Acarine parasites of the Gecko Tarentola mauritanica. 5044

New species of Pseudosinella from caves (Insecta: Collembola). 5045

The endemic Rhycophila from Corsica. Description of Rhyacophila tarda sp. n. (Tricoptera). 5046

A new tineid from Africa: Tinea roesleri n. sp. (Lep.). 5047

Considerations on the classifications of the Oribatidae. Their division into six major groups. 5048

The genus Trichopsidea Westwood, with a discussion of its relation to other genera of Nemestrinidae (Diptera). 5049

New species of Pheidole from Pacific Coast Islands (Hymenoptera: Formicidae). 5050

The Alysiinate (Hym. Braconidae) parasites of the Agromyzidae (Diptera). V. The parasites of Liriomyza Mik and certain small genera of Phytomyzinae. 5051

The species of the sub-family Cassidinae (Chrys., Col.) in Bulgaria. 5052

A new species Chrysomela rufoaenea SUFF. for the fauna of Bulgaria from the collection of the Zoological Museum in Sofia, Chrysom., Col. 5053

New Tetranychidae of Madagascar. 5054

A new species of Tribolium from North America previously confused with Tribolium madens (Charp.) (Coleoptera: Tenebrionidae). 5055

Notes on the Trigonoderus-group (Hym., Chalcidoidea). 5056

Burmese Ichneumoninae IV. 5057

A new genus and new species of the Oxytelinae from Brazil (Coleoptera, Staphylinidae). 5060

Genitalia of the types of Chilean Satyridae on deposit at the British Museum. 5061

New African Ennominae (Lep. Geometridae). 5062

A new genus of European butterflies (Lep. Lycaenidae). 5063

An undescribed European butterfly:(Lep. Satyridae). 5064

A new species of Aulacorthum Mordvilko (Homoptera, Aphididae) from Japan. 5065

A new species of Epuraea associated with eastern gall rust (Coleoptera: Nitioulidae). 5066

The genus Lasiodactylus Perty in Japan (Coleoptera: Nitidulidae). 5067

Descriptions of new species of the family Encyrtidae from Czechoslovakia (Hym., Chalcidoidea). II. 5068

Contribution to the faunal list of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. LXI. Coleoptera Anthribidae. 5069

New combinations affecting the genus Aiolopus (Orthoptera: Acridoidea) and a description of a related new genus and species from Australia. 5071

Descriptions of two new aphid species (Sitobion equiseti sp. n. and Linosiphon asperulophagus sp. n.) from Czechoslovakia (Homoptera, Aphididae). 5072

The Cicadidae of the Ryukyu Archipelago (Hemiptera). 5074

The synonomy in Citrinophila Kirby and further notes on Epitola Westwood and Alaena Boisduval (Lepidoptera: Lycaenidae). 5075

Hadrodactylus branderi n. sp. (Hym., Ichneumonidae) from Finland. 5076

New species of the genus Diplatys Serville from India (Dermaptera: Diplatyinae). 5077

On a new genus of Dermaptera from south India. 5078

Orthoptera-Caelifera from northern Kenya and Jubaland. IV. Acrididae, s. str.: Calopteninae, Euryphyminae, Eyprepocnemidinae, Catantopinae, Cyrtacanthacridinae. 5080

Further records of some little-known Pyrgomorphidae and Trigonopterygidae from Fiji, New Guinea and Borneo (Orthoptera: Acridoidea). 5081

Ixodes (Lepidixodes) kopsteini Oudemans, 1925, valid name for I. (L.) paradoxus Kohls and Clifford, 1961, with notes on distribution and hosts (Acarina: Ixodidae). 5083

Proteleas, a new genus of Scelionidae with three new species from the USSR. 5085

Investigation into the Synanthropic flies in the family Muscidae (Dipt.) in Bulgaria. 5088

Dennyus aequatorialis n. sp. (Mallophaga: Menoponidae) from the mottled swift, Apus aequatorialis. 5090

Notes on some new or little known Lucanidae Coleoptera. 5091

Contribution to the knowledge of Indo-Australian, South Pacific and East Asiatic Psenini genus Psen latreille (Hymenoptera, Sphecidae). 5092

New descriptions of Psorergate species (P-sorergatidae: Trombidiformes). 5093

Catalogue of the Oedemeridae of Italy (Coleoptera). 5095

Coleoptera from northeast Africa. Cicindelidae and Carabidae: Carabini. 5096

Description of a new species of the genus Bovicorina Delamare Deboutteville 1947 (Collembola, Symphylla) and a key for identification of the species in the genus. 5097

The genus Cairnsimyia Malloch (Diptera, Heleomyzidae, Rhinotorini). 5100

Notes on some larval and pupal chironomids (Diptera) from Lake Kariba, Rhodesia. 5101

Some remarks on the tampans of the Ornithodoros moubata complex in southern Africa. 5102

A revision of the fern aphids of Japan with descriptions of three new species (Homoptera: Aphididae). 5104

The electrentomoid psocids (Psocoptera). 5105

Some new analytic and graphic approaches to numerical taxonomy, with an example from the Dermanyssidae (Acari). 5106

Scorpions, whip scorpions and wind scorpions of Florida. 5108

Contributions to a study of the Pyraustinae (Lepidoptera: Pyralidae) of temperate East Asia. V. 5109

Description of Blastophagus khasianus, new species (Coleoptera: Scolytidae). 5110

A new species and new records of Mackiena (Acarina, Trombiculidae). 5111

A new species of Dermanyssus from marine birds, with observations on its biology (Acarina: Dermanyssidae). 5113

Notes on Buprestidae and Schizopodidae. 5114

The genera of Palearctic Tortricidae. II. The subfamily Olethreutinae 7th part. Eucosmini (Heinr. 1923) tribe--continuation. 5115

Notes on Rhynchocephalus tauscheri Fischer (Diptera: Nemestrinidae). 5116

Systematic entomology: Distribution of insects in the Pacific. 5117

New Thysanoptera from central Asia (U. S. S. R.). 5118

Two new species of Oedaleothrips (Thysanoptera) from Asia. 5119

A new species of Poecilmitis Butler (Rhopalocera) from the South Western Cape. 5120

On the knowledge of German fleas. II. Fauna and Ecology of the fleas of birds (Insecta, Siphonaptera). 5121

Genera and species of the Dermaptera. 10. Forficulinae (Forficulidae). 5122

Genera and species of Dermaptera (9) Opisthocosminae (Forficulidae). 5123

A new species of Trachysphyrus from the Andes of Ecuador (Hymenoptera, Ichneumonidae). 5124

On the system of classification of ticks of the family Argasidae Can., 1890. I. Two classifications of Argasidae. 5125

New description of palearctic Scrobipalpa species. (Lepidoptera, Gelechiidae). 5126

A review of the genus Dicteisia Bedford (Mallophaga: Menoponidae) with description of a new species. 5127

Cynipinae (Hymenoptera) occurring on Phlomis L. 5128

New and known Dermaptera from south India with two generic records new to India. 5129

A redescription of the type specimen of Crotonia (0Acronothrus) obtecta (O. Pickard-Cambridge, 1875), (Acari, Cryptostigmata) and a discussion of its taxonomic relationships. 5130

A new genus of wingless N. American sphaerocerid flies. 5131

North American species of Taeniopteryx (Plecoptera, Insecta). 5132

What is Pieris dubiosa Rober (Lep., Pieridae). 5133

A new species of Nepytia from the southern Rocky Mountains (Lepidoptera: Geometridae). 5134

A revision of the Neotropical species of the moth genus Glena (Lepidoptera, Geometridae). 5135

On the synonymy of Leucophlebia lineata brunnea Closs with remarks on some sphingids collected by Sauter in Formosa, now in the German Entomological Institute. (Lepidoptera: Sphingidae). 5136

South American Thrombidiidae. II. Chyzerini Thrombidiinae; solenocyte taxonomy of the palpus in several Thrombidii a ; th r latio-ship between Podothrombium Berlese 1910 -- Variathrombium n. g., and Thrombidiinae. 5137

Contribution to the fauna of the Congo (Brazzaville). mission A. Villiers and A. Descarpentries. XLVI. Lepidoptera, Attacidae. 5138

Preliminary note on a review of subgenus Taeniothrips (Isochaetothrips) (Thysanoptera: Thripidae). 5139

Contributions to the knowledge of the family Anoetidae (Acari). 5140

New contribution to the knowledge of the Italian Psychodidae (Diptera). 5141

On some Scolytidae and Platypodidae of economic importance from the territory of Papua and New Guinea. 250. Contribution to the morphology and taxonomy of the Scolytoidea). 5142

A contribution to the systematics of Oriental and Australian Blissinae (Hemiptera: Lygaeidae). 5144

Key for the determination of species from U.S.S.R. belonging to the genus Scolytus Geoffroy (Scolytidae, Coleoptera). 5145

Two new species of Praon Haliday from Czechoslovakia (Hym., Aphidiidae). 5146

Entomological results of catches in the area of San Bernardino (Misox Gr), which has not been fully explored lepidoterologically. (A building block of the Swiss Lepidoptera fauna). 5147

Finnish discovery of Aleochara peeziana Lohse (Coleoptera, Staphylinidae). 5148

Saprinus cuspidatus Ihssen from Finland (Coleoptera, Histeridae). 5149

A widely distributed pine sap injurious, Acanthophila piceana n. sp. (Lep. Gelechiidae) in Latvia. 5150

Two species of Copidosoma parasitic on the potato tuber moth (Hymenoptera: Chalcidoidea-Encyrtidae). 5151

Discovery of the genus Anusioidea Girault from Asia (Hymenoptera: Chalcidoidea-Encyrtidae). 5152

A new name for Metaphycus eriococci Alam (Hymenoptera: Chalcidoidea-Encyrtidae). 5153

Metapsaenythia, a new panurgine bee genus (Hymenoptera, Andrenidae). 5154

The bumblebee fauna in the neighborhood of the Kuku-Nor. (Hymenoptera, Bombinae). 5155

Evansipsylla thysanota, a new genus, new species of flea from Nepal (Siphonaptera: Hystrichopsyllidae). 5156

A re-assessment of the genera Holorusia Loew (0Ctenacroscelis Enderlein), Ischnotoma Skuse and Zelandotipula Alexander (Diptera: Tipulidae), with notes on their phylogeny and zoogeography. 5161

A revision of the Nedtropical genus Metamasius (Coleoptera, Curculionidae, Rhynchophorinae). 5162

The establishment ofa lectotype for Leptotrombidium (Leptotrombidium) akamushi (Brumpt, 1910) (Acarina: Trombiculidae). 5163

Notes on synomynus of African Reduviidae. 5164

Catalogue of the Coleoptera Cetoniidae in the Leiden Museum. I. Goliathus Lamarck, sensu lato. 5168

Redescription of Sycaphaginae from Ceylon and India, with description of lectotypes, and a world catalogue of the Otitesellini (Hymenoptera, Chalcidoidea, Torymidae). 5169

Coleoptera: Cantharidae, Malachiidae and Dasytidae from New Caledonia, New Hebrides and Fiji in Bishop Museum, Honolulu. 5170

Spider wasps of Finland (Hym., Pompiloidea). 5171

Reassignment of the Ambigua group of Pristiphora to a new genus, Sharliphora (Hymenoptera: Tenthredinidae). 5172

A review of Simulium (Pternaspatha) Enderlein (Simuliidae, Diptera). 5173

Argas (Argas) Japonicus, new species, associated with swallows in Japan and Korea (Ixodoidea, Argasidae). 5174

Fatty acid composition of limited use in aphid taxonomy. 5175

The morphology and systematic of Coptopteryx gayi (Blanchard) 1851 (Mantidae). 5176

The Cosmopolites banana weevils (Coleoptera: Curculionidae: Rhynchophorinae). 5177

The cheliceral flagellum of pseudoscorpions. 5231

Friedrich Klugs material of Scoliidae with especial reference to his type-specimens. 5239

A redescription of Pteronyssoides tyrrelli (Canestrini, 1899). A feather mite from the tree swallow (Acari-Acariformes). 5241

Studies on Opilioacarida (Arachnida). II. Redescription of Paralarus hexophthalmus (Redikorzev). 5350

The hemlock sawfly in southeast Alaska. 5353

Biosystematics of Phytoseiulus persimilis AthiasHenriot (Acarina: Phytoseiidae). 5407

The Norwegian species of Dichrorampha Gn. Lep. Tortricidae. 5505

The beetles (Coleoptera) of Babia Gora Mountain (Polish Western Carpathians). 5518

Phytophagous mites; species of widest distribution in Argentina. 5540

Diptera larvae in soil treated with organic and mineral fertilizers. (I). Family Asilidae-Diptera-Brachycera. 5541

Synoptic tables of larvae and imagos of the species of the family Chrysotribax Reitter. (Col. Carabidae). 5548

Anatea, an ant-mimicking Theridiid spider from New Caledonia (Araneae: Theridiidae). 5555

New records and species of neotropical bark beetles (Scolytidae: Coleoptera). 5682

The present status of rice pest research and control. A literature review. 5827

Bionomics of Drosicha mangiferae (Green) on citrus including new record of its three natural enemies. 6246

New mangemites of endemic insectivores. (P-sorergatidae: Trombidiformes). 6898

The gamasid mites (Parasitiformes, Gamasoidea) of the Pavlodar province of Kazakhstan. 6906

INSECT TEMPERATURE

Temperature and humidity effects on the oviposition of Hyalomma acgyptium ticks of different engorgement weights. 5637

Immobilizing insects by sudden reduction of body temperature. Patent 3,446,892. 7377

INSECT TRAPS

Lepidoptera of the Nevada Test Site. 4987

The study of the aerial migration of insects as applied to phyto-sanitary control. 5237

Field studies of an attractant in the male boll weevil. 5338

The leatherjacket risk grows. 5447

Preliminary note on a chemical attractant for the grass grub beetle (Costelytra zealandica (White)) from the flowers of elder (Sambucus nigra L.). 5508

Report of the Suffolk County Mosquito Control Commission. 5633

Seasonal distribution, sex ratios, and mating of female noctuid moths in blacklight trapping studies. 5655

Attractants and attractant traps for eye gnats Hippclates pusio. 5770

Plant protectors. 5812

Improvement of the agricultural warning (device) against the cereal gall moth (Cnephasia pumicana Zell., Lep. Tortricidae). 6164

Gypsy moth (Ocneria dispar) control in the roadside plantations. Transl. 17032. 6209

INSECT VECTORS

A new species of Epuraca associated with eastern gall rust (Coleoptera: Nitioulidae). 5066

Mechanical transmission of Trypanosoma lewisi (Kinetoplastida: Trypanosomidae) by Rhodnius prolixus (Hemiptera: Reduviidae). 5261

Notes on the mosquitoes of the Islamic Republic of Mauritania. (Dipt. Culicidae). (2). 5351

On the biology of Simulium damnosum Theobald, 1903, the main vector of onchocerciasis in the Mahenge Mountains, Ulanga, Tanzania. 5360

Transmission experiments on the tungro virus in Thailand. 5429

On the transport of microorganisms (Phi particles) by the female germinal cells in the homopteran Typhlocyba douglasi Edw.. 5454

Recent advances in the physiology and biochemistry of Plasmodia. 5526

Michigan's priority war on mosquitoes. 5601

Mosquito collections in a high rainfall area of North Queensland, 1963-1964. 5626

Gambusia for Colorado. 5746

A technique for feeding larval trombiculid mites on laboratory mice. 5748

Records of eye-frequenting Lepidoptera from man. 5749

Falciparum malaria transmissible from monkey to man by mosquito bite. 5751

Culex nigripalpus: Seasonal shift in the bird-mammal feeding ratio in a mosquito vector of human encephalitis. 5753

Some birds of Uruguay parasitized by Ornithoctonia erythrocephala (Diptera, Hippoboscidae). 5754

Transmission of the tularemia pathogen to homothermal animals by Ixodes ticks. (JPRS 44,105). 5758

Five new cases of Chagas' disease in Zacatecas and Jalisco in the Republic of Mexico. 5760

Survival of western equine encephalitis virus in Triatominae. 5761

Malaria and victory in Vietnam. 5763

Public health pesticides. 5764

Identification of the host range of Culex tritaeniorhynchus mosquitoes on Okinawa, Ryukyu Islands. 5765

Immunologic structure of the population in a foothill Taiga focus of tick-borne encephalitis in the Zone of Construction of the Krasnoyarskaya Hydropower Station after realization of tick control measures. 5766

Wild mammals and fleas of Red Bluff Ranch, New Mexico. 5767

Attractants and attractant traps for eye gnats Hippelates pusio. 5770

Efficacy of use of some phospho-organic compounds as acaricides in foci of tick-borne encephalitis. 5772

Effects of sublethal doses of DDT on the reproduction and susceptibility of Culex pipiens L. 5773

Synthetic routes to 1,1,1-trichloro-2,2-Bis(p-chlorophenyl) ethane-2-d, deutero-DDT. 5774

The present status of virus diseases of rice in Ceylon. 5858

Italian beet culture. The diseases: Fungi and viruses. 5926

Epidemiology of cotton leafcurl virus in the Sudan. 5946

Field biology and control of Phytophthora parasitica on papaya (Carica papaya) in Hawaii. 5967

A new disease of bananas in the Cauca Valley: a bacteriosis. 5999

Virus diseases of rice in Southeast Asia. 6032

Some observations on tobacco yellow dwarf control. 6033

Virus disease that resembles Tungro . 6048

Tree-wounding insects as vectors of the oak wilt fungus. 6055

Electron microscopic studies of rice viruses. 6077

Relationship of pea mosaic virus with its vector Aphis craccivora Koch.. 6092

The relationship of Johnson grass and other perennial hosts of maize dwarf mosaic virus to disease spread and control. 6108

Concluding remarks on the virus diseases of the rice plant. 6122

Studies on the transmission of pea leaf roll virus by Myzus persicae (Sulz.). 6132

Virus diseases of celeriac and carrots in Europe. 6133

Scientists find the cause of the bean wilt disease. 6147

On the significance of the Lygus species as a plant pest. 6154

Factors affecting the appearance of holly oaks in Southern California. 6160

Leafhopper transmission of transitory yellowing of rice. 6167

Isolation of the organism causing yeast-spot disease from the salivary system of the green stink bug. 6176

Transmission of clover phyllody by a new leafhopper vector, Euscelidius variegatus. 6179

Mycoplasma-like bodies in the salivary glands of insect vectors carrying the aster yellows agent. 6191

Ecology of insect vectors, forecasting, and chemical control. 6205

Ixodes ricinus borne parasites of cattle in the Netherlands. 6210

Effect of rice-pathogenic viruses on their insect vectors. 6216

Vectors of rice viruses in Asia. 6228

Controlling peach yellows in a peach breeding program. 6232

Burning weeds in drainage ditches to suppress populations of green peach aphids and incidence of beet western yellows disease in sugarbeets. 6395

Studies on acute Marek's disease. VIII. The role of mosquitoes in transmission under experimental conditions. 6498

Feline infectious anemia (Haemobartenella felis) diagnosis and treatment. 6594

Western Encephalitis virus in Alberta. 6812

The transmission of west equine encephalomyelitis virus from chicken to chicken by Culex pipiens (SAY). 6856

Effect of differences in ambient temperature upon the fate of Pasteurella pestis in Xenopsylla cheopis. 6894

Houseflies, blowflies and cluster flies. 6901

Encephalitis field surveillance in Orleans Parish. 6903
The gamasid mites (Parasitiformes, Gamasoidea) of the Pavlodar province of Kazakhstan. 6906
Infection of some species of Gamasidae with R. burneti in the natural Q-fever foci. 6910
Aeschna grandis L., a new additional host of prosthogonimus cuneatus (Rud., 1809) (Trematoda. Prosthogonimidae). 6962
The epizootiology of dicroceliosis in the province of Leon. 6967
Canine filariasis on Okinawa, Ryukyu Islands. 6988
Adults of Eumegacetes artamii from white leghorn pullets infected with the metacercariae from two dragonflies. 7009
Table of human infections. In: Diseases of man acquired from his pets. 7146

INSECTICIDAL AEROSOLS
Development and study of filler composition of aerosol dispensers for controlling flying insects. 5660
Control of anopheline species in the Canal Zone with ultra-low volume sprays of malathion and fenthion. 5759
Grow alfalfa in spite of the weevil. 6277

INSECTICIDAL PLANTS
On the larvicidal action of crude cashewnut shell oil. 5757
Pongamia cake can control tobacco beetle. 6201

INSECTICIDE APPLICATION
Applying insecticides to cotton crops. 4971
Ants in the home and garden; how to control them. 5184
Cotton pests control by ultra low volume spraying from the air. 5228
Insecticidal operations against chironomid midges along the Blue Nile. 5240
A low volume spray system for twin-engine aircraft used in mosquito control. 5246
Spraying in mustard is a must. 5258
Simple, safe, effective fly control for dairy farms. 5301
DDT resistance in Oncopera. 5355
Control home vegetable garden insects. 5358
Grasshopper control, 1969. 5411
Insect and mite control on ornamentals. 5471
Control of pasture Aedes mosquitoes by dripping larvicides into flowing water, with notes on residues in a pasture habitat. 5486
The influence of site application on the toxicity of insecticides in red cotton bug, Dysdercus cingulatus, F. 5549
Vapona for the control of museum pests. 5576
Control of household insects. 5593
European pine shoot moth. 5663
Mosquito control and/or honey bees. 5769
Efficacy of use of some phospho-organic compounds as acaricides in foci of tick-borne encephalitis. 5772
Ultra low volume spraying of cotton. 5822
Field studies on the chemical control of the stem borer Chilo partellus on hybrid sorghum in India. 6143
Resistant corn rootworms... A problem almost everywhere. 6149
Disulfoton as a systemic insecticide for control of adult white-fringed beetles on peanuts. 6153
Improvement of the agricultural warning (device) against the cereal gall moth (Cnephasia pumicana Zell., Lep. Tortricidae). 6164
Testing insecticides on the farm. 6181
1969 tree fruit spray guide. 6183
Control of insects on alfalfa and red clover. 6185
Timing insecticide applications for European corn borer control in Southwestern Quebec, 1967. 6194
Chemical control of codling moth with DDT and sevin, the resistance problem of codling moth to DDT and additional observations on the effect of fruit thinning of sevin. 6195
Alfalfa weevil control, 1969. 6206
Grasshopper control 1969. 6207
Insect pests of barley and their control. 6231
Essay on insecticidal treatments on the apple fruit fly, Rhagoletis pomonella (Walsh) in southwest Quebec. 6237
Annual pest control programs for Central California. 6260
Early spring treatment in desert areas of California and Arizona. 6261
Cotton insect pest control. 6269
Control cotton insects. 6278
Cattle lice; how to control them. 6889
Advances in cattle ectoparasite control with a discussion of some problems related to treatment with systemic insecticides. 6902
University of Wisconsin scientists discuss insecticides and pollution. 7088
Oil deposit on grapefruit leaves with 3 types of spray equipment in relation to control of certain citrus pests. 7101
High praise for low volume insecticide spraying. 7136
Conversion of 4-(2,4-dichlorophenoxy) butyric acid to homologs by alfalfa; mechanism of resistance to this herbicide. 7264
Performance of some lever-operated knapsack sprayers. 7395
Suggested techniques for assessing the durability of lever-operated knapsack sprayers. 7396
Theoretical and practical aspects of room spraying. 7401
Log-normal spray drop distribution analyzed by two new computer programs. 7402

INSECTICIDE RESIDUES
Effects of forest spraying with DDT on aquatic insects of salmon streams in New Brunswick. 5380
Laboratory tests of larvicides for mosquito control in potable waters. (abstract). 5389
Control of pasture Aedes mosquitoes by dripping larvicides into flowing water, with notes on residues in a pasture habitat. 5486
New horizons in the fight against insects. 5524
Michigan's priority war on mosquitoes. 5601
Relative susceptibility of stored-product insects to insecticides. 5631
Susceptibility of an alfalfa leafcutting bee to residues of insecticides on foliage. 5668
Public health pesticides. 5764
Conversion of DDT to DDD in soil and the effect of these compounds on soil microorganisms. 5809
Studies on the strawberry mite (Tetranychus telarius (L). 6161
Systemic activity of UC-21149 against the citrus red mite, citrus thrips, California red scale, and spirea aphids on nonbearing orange trees. 6265
The effects of DDT on a breeding population of the rufoussided towhee (Pipilo e. erythrophthalmus Linnaeus). 6418
Pesticides and man's environment. 7073
DDT: Criticism, curbs are on the upswing. 7077
Reduction of residues of heptachlor and chlordane in carrots with soil applications of activated carbon. 7085
The effect of a pretreatment with phenobarbital on the metabolism of DDT in dairy cows and young bulls. 7086
University of Wisconsin scientists discuss insecticides and pollution. 7088
Determination of residual bHC and lindane quantities in the soil and plants and investigations on their toxicity. 7091
Contribution of aerial contamination to the accumulation of dieldrin by mature corn plants. 7092
Effects of the insecticide Sevin on survival and growth of the cockle clam Clinocardium nuttalli. 7094
Some observations on the effects of using organochlorine sprays in an orchard. 7098
Effects on wild young salmon of spraying DDT over New Brunswick forests. 7103
Effects of forest spraying with DDT in New Brunswick on food of young Atlantic salmon. 7111
Fish losses after forest sprayings with insecticides in New Brunswick, 1952-62, as shown by caged specimens and other observations. 7112
Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary. 7113

Experience with a shorter extraction procedure for insecticide residues from liquid milk products. 7114

Soil degradation of diazinon, a phosphorothioate insecticide. 7118

TDE (or DDD). Proposed reduction of tolerances for residues in or on raw agricultural commodities. 7120

Translocation of diazinon from planting water by cabbage and tobacco seedlings. 7122

DDT residues absorbed from organic detritus by fiddler crabs. 7126

Residues of dieldrin (HEOD) in the tissues of experimentally poisoned birds. 7130

Pharmacodynamics of diclorin in pigeons. 7131

Insecticide residues in spring wheat plants grown in the field from seed treated with aldrin or heptachlor. 7132

Some effects of diazinon on the microflora of submerged soils. 7133

Residues in the body fat of steers fed kelthane in their ration. (Abstract). 7192

Toxicities of two insecticides to young coho salmon. 7210

Degradation of gamma-BHC in simulated lake impoundments as affected by aeration. 7362

Estimation of DDT in factory waste. 7372

Microscopic identification of some chlorinated hydrocarbon insecticides on different substrata. 7381

Log-normal spray drop distribution analyzed by two new computer programs. 7402

INSECTICIDE RESISTANT INSECTS

Studies on the age composition of Anopheles culicifaces populations in India at different phases of development of resistance to DDT. 5159

How to control bed bugs. 5185

Hard to kill pests of fruit trees - woolly apple-aphid. 5195

The question of resistance to pesticides. 5207

VPI cockroach research. 5339

Notes on the mosquitoes of the Islamic Republic of Mauritania. (Dipt. Culicidae). (2). 5351

Possibilities of mass-producing insect pathogens. 5381

Laboratory tests of larvicides for mosquito control in potable waters. (abstract). 5389

Chlorinated hydrocarbon insecticide inhibition of cockroach and honey bee ATPases. 5414

Co-resistance and resistance inheritance in a dieldrin resistant laboratory stock of the clothes moth (Tineola bisselliella (Hum.), Lep.). 5423

Susceptibility of insects to entobacterin. 5440

Insect and mite control on ornamentals. 5471

New strategy against the codling moth. 5520

Lindane: Metabolism to a new isomer of pentachlorocyclohexene. 5552

Pasture mosquito resistance in California. 5590

Apparent DDT tolerance in an aquatic insect disproved by test. 5622

Insect pathology and microbial control. Proceedings of the International Colloquium on Insect Pathology and Microbial Control, Wageningen, the Netherlands, September 5/10, 1966. 5657

Insecticide resistance in the home of Culex pipiens fatigans Wiedemann. 5708

Studies on the mechanism of DDT-RESISTANCE in Culex pipiens fatigans. 5713

Carbamate and phosphate resistance in adult granary weevils. 5716

Genetics of resistance to tedion in Tetranychus urticae C. L. Koch. 5731

Genetics of resistance to insecticides of the SKA strain of Musca domestica. III. Location and isolation of the factors of resistance to dieldrin. 5736

Genetical linkage relationships of DDT-RESISTANCE and dieldrin-resistance in Culex pipiens fatigans Wiedemann. 5741

Public health pesticides. 5764

Effects of sublethal doses of DDT on the reproduction and susceptibility of Culex pipiens L. 5773

The water weevil problem. 6146

Resistant corn rootworms... A problem almost everywhere. 6149

Development of resistance to DDT by the apple maggot, Rhagoletis pomonella. 6214

Effect of climatic factors on the susceptibility of insects to insecticdes. 6251

Control cotton insects . 6278

INSECTICIDE SYNERGISTS

Synergistic toxicity and carcinogenicity of 'freons' and piperonyl butoxide. 7160

On the toxicology of Pyrethrum to warm blooded animals. 7384

INSECTICIDES

Applying insecticides to cotton crops. 4971

Field test of lindane against overwintering broods of the western pine beetle. 5094

Ants in the home and garden; how to control them. 5184

How to control bed bugs. 5185

Hard to kill pests of fruit trees - woolly apple-aphid. 5195

Early season insects no problem for B. A. Jordan. 5196

New thrust against boll weevils. 5208

Effects of reroductive-diapause boll weevil (Heliothis zea Boddie) insecticidal control programs on the abundance of bollworms and tobacco budworms (Heliothis virescens F.) in cotton in the rolling plains of Texas, 1967. 5236

Juvenile hormone: Activity of natural and synthetic synergists. 5238

Spraying in mustard is a must. 5258

Growth, sporulation and germination of spores of Bacillus thuringiensis var. thuringiensis Berliner. 5293

Simple, safe, effective fly control for dairy farms. 5301

Tobacco insect control. 5315

Pyridine composition and method for attracting insects. patent 3,325,355. 5330

Effects on aquatic insects of forest spraying with phosphamidon in New Brunswick. 5336

VPI cockroach research. 5339

Controlling insects with furoyloxy-alkenyl thio phosphates. Patent 3,433,865. 5340

Toxicological studies on cutworms. I. Laboratory studies on the toxicity of insecticides to the dark-sided cutworm. 5357

Control home vegetable garden insects. 5358

Effects of forest spraying with DDT on aquatic insects of salmon streams in New Brunswick. 5380

Temperature effects on the toxicity of five insecticides against five species of stored-product insects. 5384

Gesapon for insect pests. 5387

Insect answers; insecticide toxicity to alfalfa-pollinating bees. 5394

Grasshopper control, 1969. 5411

Chlorinated hydrocarbon insecticide inhibition of cockroach and honey bee ATPases. 5414

Effect of aerial spraying for the control of green rice leafhopper in autumn. Transl. 17058. 5425

House fly control by chemical sterilization with apholate. 5430

A molecular bomb for the war against insects. 5441

The biology and control of the Ceanothus stem-gall moth, Periploca ceanothiella (Cosens). 5446

Southern tree chapter briefed on borer control. 5459

Insect and mite control on ornamentals. 5471

Home garden insect control. 5472

The determination of the insecticidal activity of an 8 year old sample of DDT by biological method. 5509

Evidence of a nonspecific type resistance to insecticides by a resistant strain of the tobacco budworm. 5516

New strategy against the codling moth. 5520

Insecticide resistance in the house fly: Decreased rate of absorption Is the mechanism of action of a gene that acts as an intensifier of resistance. 5532

On the use of Bacillus thuringiensis-insecticide combinations to control insect pests. 5537

The influence of site application on the toxicity of insecticides in red cotton bug, Dysdercus cingulatus, F. 5549

Lindane: Metabolism to a new isomer of pentachlorocyclohexene. (abstract). 5551

Lindane: Metabolism to a new isomer of pentachlorocyclohexene. 5552

Control of household insects. 5593

Michigan's priority war on mosquitoes. 5601

Insecticidal and acaricidal effect of some binary mixtures. 5627

Relative susceptibility of stored-product insects to insecticides. 5631

Insect pathology and microbial control. Proceedings of the International Colloquium on Insect Pathology and Microbial Control, Wageningen, the Netherlands, September 5/10, 1966. 5657

Lawn insects; how to control them. 5658

Lace bugs. 5661

Bagworm. 5662

Metabolism of organophosphorus insecticides. IX. Distribution, excretion and metabolism of dimethoate Prodenia lituria. (abstract). 5690

Genetics of resistance to insecticides of the SKA strain of Musca domestica. III. Location and isolation of the factors of resistance to dieldrin. 5736

Report of thirty-ninth annual meeting. 5756

Malaria and victory in Vietnam. 5763

Mosquito control and/or honey bees. 5769

Synthetic routes to 1,1,1-trichloro-2,2-Bis(p-chlorophenyl) ethane-2-d, deutero-DDT. 5774

Pesticide use. 5779

Crop protection; computers, simazine, corn seed beetle. 5780

1969 fruit spraying recommendations for commercial growers. 5802

1969 fruit spraying calendar, for commercial fruit growers. 5804

Notes on pesticides and weedicides. 5823

Growing vegetables in South Dakota. 5832

Pests and diseases of arecanut. 5841

Results of insecticide and fungicide tests, carried out in 1966, by the Vegetable Protection Service. 5879

Home fruit spray guide. 5959

Chemical control of harmful insects. 5996

Control of vegetable insects and diseases. 6017

Plant insect and disease control in Peru. 6061

Effect and compatibility of nutrient sprays with insecticides and fungicides for groundnut (A. hypogea). 6063

Protection of vineyards from plant diseases. 6087

Plant protection. Bulletin of the plant protection station of Geneva. 6094

The water weevil problem. 6146

Resistant corn rootworms... A problem almost everywhere. 6149

Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen. 6150

Disulfoton as a systemic insecticide for control of adult white-fringed beetles on peanuts. 6153

Insect pests of pulse crops. 6157

Alfalfa insects in Ohio. 6158

Studies on the strawberry mite (Tetranychus telarius (L). 6161

Control of some pests of evergreens. 6162

Studies on a biological and a chemical method of controlling the dark rice field mosquito in Louisiana. (abstracts). 6168

Guide lines for the testing of materials on carrot flies on carrots. 6169

Chemical control of the tea tortrix (Homona coffearia Nietner). 6171

Testing insecticides on the farm. 6181

1969 insect control guide for Colorado. I. Cereal crops, field crops, forage crops, stored grain. 6182

1969 tree fruit spray guide. 6183

1969 insect control guide for Colorado. II. Vegetable crops. 6184

Control of insects on alfalfa and red clover. 6185

Insect control in cotton. 6186

Description, damage and control of the southwestern corn borer. 6188

Indications on plant care for olive crop cultivation. 6192

Insecticidal field treatments for the control of the European corn borer. Ostrinia nubilalis (Hubner) in Southwestern Quebec, 1967. 6193

Timing insecticide applications for European corn borer control in Southwestern Quebec, 1967. 6194

Bloodworms- pests of rice. 6200

Pongamia cake can control tobacco beetle. 6201

Insecticide recommendtions for tobacco fields, 1969. 6203

Comparative efficacy and economics of various measures adopted for eradication of white grub beetle (Holotrichia serrata Fabricius) damaging sugarcane in Uttar Pradesh. 6204

Alfalfa weevil control, 1969. 6206

Grasshopper control 1969. 6207

Dryfarm wheat insects. 6208

The use of insecticides in the Swedish forestry. 6213

Old pests with new appetites. 6215

Maryland arborists discuss insect control. 6221

The oriental fruit moth and its control. 6223

The codling moth and its control. 6224

Insect pests of barley and their control. 6231

Navy bean pests. 6238

Delhi farmers need not be afraid of mustard aphid. 6239

Guide lines for the testing of materials San-Jose scale insect (SJS). 6241

Insects and diseases of vegetables in the home garden. 6242

Diapause gets 95 per cent kill. 6243

The banana beetle can be checked. 6244

Pests of legume seed crops in north Queensland. 6245

1969, strawberry insect and disease control. 6247

New insecticides against pests of rape and beets. 6248

Effect of climatic factors on the susceptibility of insects to insecticdes. 6251

Studies on the antifeedant against the catterpillars of Pericallia ricini F. (Arctiidae) and Spodoptera littoralis Boesd. (Noctuidae: Lepidoptera) on castor (Ricinus communis L.). 6259

Annual pest control programs for Central California. 6260

How to control jute pests economically. 6267

Cotton insect pest control. 6269

DDT-C14 translocation in alfalfa. 6270

Control cotton insects . 6278

Influence of certain insecticides applied for the control of Ostrinia nubilalis Hbn. on the weeds of treated surfaces. 6372

Herbicides in cotton and their compatibility with soil-applied insecticides. 6388

Shell products for animal health. 6423

Relation between DDT in diets of laying birds and viability of their eggs. 6431

On the effect of Sevin on sexual functions of warm-blooded animals. 6439

Study of the insecticidal action of trans-chrysanthemate alletrholone on Musca domestica. 6693

Cattle lice; how to control them. 6889

1969 insect control guide for Colorado. III. Livestock pests, poultry pests, farm fly control. 6892

Advances in cattle ectoparasite control with a discussion of some problems related to treatment with systemic insecticides. 6902

1969, controlling insects on sheep and goats. 6905

Fumigate stored rice to reduce loss to insects. 7030

Laboratory tests of five new insecticides as protectants for stored rough rice. (abstract). 7031

Protect stored grain from insect damage. 7033

Saving stored rice from attacks of insect pests. 7037

Control of rodents. 7043

University of Wisconsin scientists discuss insecticides and pollution. 7088

Determination of residual bHC and lindane quantities in the soil and plants and investigations on their toxicity. 7091

Contribution of aerial contamination to the accumulation of dieldrin by mature corn plants. 7092

Oil deposit on grapefruit leaves with 3 types of spray equipment in relation to control of certain citrus pests. 7101

Effects on wild young salmon of spraying DDT over New Brunswick forests. 7103

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agriculture commodities. DDT. 7106

Chlorinated hydrocarbons and eggshell changes in raptorial and fish-eating birds. 7108

Persistent pesticides: A problem. 7110

Effects of forest spraying with DDT in New Brunswick on food of young Atlantic salmon. 7111

Fish losses after forest sprayings with insecticides in New Brunswick, 1952-62, as shown by caged specimens and other observations. 7112

Organochlorine insecticide residues in complete prepared meals: A 12-month survey in S. E. England. (abstract). 7121

Investigation of sheep dips. 3. The influence of breed on stripping and deposition in the fleece of diazinon. 7124

High praise for low volume insecticide spraying. 7136

DDT and related chlorinated hydrocarbons: Their metabolism in the chick and their induction of microsomal ensymes. 7142

Effects in warmblooded animals of thiometon (2-ethylthioethyl o,o-dimethylthiophosphate) ingested in drinking water. 7149

Economic poisons containing certain pesticide chemicals for certain uses. Cancellation of registration. 7170

Degradation and activation of parathion analogs by microsomal enzymes. 7189

Clinical and laboratory notes on parathion poisoning in fowl, screening availabilities in meat and various tests. 7196

Teratogenic action of carbaryl in beagle dogs. 7202

Combating poisoning due to insecticides. 7211

The metabolism of 3,4-dichloropropionanilide in plants. Partial purification and properties of an aryl acylamidase from rice. 7246

Effects of dimethyl sulfoxide on the biological activity of selected miticides and insecticides. 7280

DDT - type compounds: Separation and identification by a system combining thin layer chromatography, gas chromatography, and infrared spectroscopy. 7323

Thin-layer chromatographic-enzymatic identification of organophosphorus insecticides. Actiuation of weak esterase inhibitors. 7324

Separation and quantitative analysis of the active ingredient dimethoate and of its changed components contained in emulsions and wettable powders. 7325

The permeability of protective clothing and packing materials in regard to insecticidal phosphoric acid derivatives. 7339

Degradation of the insecticide GS 13005 in the rat. Elucidation of the structure of the most important metabolites. 7341

Pesticidal compositions comprising N-substituted gamma hydroxycarboxylic acid amides. Patent 3,436,463. 7359

Photochemical decomposition of DDT by a free-radical mechanism. 7361

The chemistry of GS 13005, a new insecticidal phosphoric acid ester. 7368

Substituted phenyl-N-methylcarbamates. Cholinesterasis inhibition and insecticidal action. 7382

On the toxicology of Pyrethrum to warm blooded animals. 7384

Log-normal spray drop distribution analyzed by two new computer programs. 7402

Pest control's 1969 directory of pesticides. 7403

INSECTIVORA
New mangemites of endemic insectivores. (P-sorergatidae: Trombidiformes). 6898

INSECTS
The insect world. Series: The universe of knowledge. 4967

Sex-Determination. 5273

Method of killing pests by application of an O,Odiloweralkyl phosphorodithioyl methyl-substituted mercaptoacetate. Patent 3,433,870. 5345

Note on the ovary, rachis, and spermatheca of an insect parasitic nematode, Contortylenchus elongatus (Massey, 1960) Nickle, 1963. 5497

It takes more than tender, loving care to prevent blackspot. 5870

Some observations on the interrelations of plants and insects in the foothills of southern Tajikistan. 6229

Influence of synthetic insect T. C. medium on the survival of malaria sporozoits in vitro (Plasmodium berghei yoeli and P. cathemerium). 6576

The feeding habits of the yellow mongoose, Cynictis penicillata, the suricate, Suricata suricatta and the Cape ground squirrel, Xerus inauris. 1. Analysis of stomach contents 2. Observations on free-living and captive animals. 6886

Protect stored grain from insect damage. 7033

Theoretical and practical aspects of room spraying. 7401

INSPECTION (AGRICULTURAL PRODUCTS)
Plant protectors. 5812

INSURANCE
Fish and Wildlife Act of 1956 as amended; an excerpt from title 16 of the United States Code. 7420

INTEGRATED CONTROL (INSECTS)
Integrated insect control - a payoff from research. 5435

Pest control by the biological method. 5523

Insect pathology and microbial control. Proceedings of the International Colloquium on Insect Pathology and Microbial Control, Wageningen, the Netherlands, September 5/10, 1966. 5657

Integrated and harmonious control of insect pests. 5667

Grow alfalfa in spite of the weevil. 6277

INTEGRATED CONTROL (PESTS)
Integrated control of fruit tree pests. Orchard mites. Orchard insects. 5292

INTERFERENCE PHENOMENON
Control of Marek's disease by the use of inoculated chicken embryo fibroblasts. 6677

INTERFERON
Effect of cytostatics on the replication of vaccinia, pseudo-rabies and sindbis viruses and on the interferon production by tissue culture cells. 6791

INTERSTATE COMMERCE
Interstate transportation of animals and poultry. Brucellosis. Miscellaneous amendments. 6462

Interstate transportation of animals and poultry. Brucellosis. Designation of modified certified brucellosis areas, public stockyards, specifically approved stockyards, and slaughtering establishments. Modified certified brucellosis areas. 6798

INTESTINES
Composition, structure, and mode of formation of mineral granules in the middle intestines of the homopteran Cercopidae. 5334

The presence of a differentiated cytoplasmic zone around the nuclei in the cells of the middle intestine of Cixius nervosus L. (Homoptera, Fulgoroidea). 5335

Conditions for the massive multiplication of the intestinal cytoplasmic virus of Mamestra brassicae L. (Lepidoptera). 5426

The cellular site of virus replication in the intestine of chicks infected with an avian adenovirus. 6522

Studies on the method of experimental infection of Vibrio parahaemolyticus. I. Infection of Vibrio parahaemolyticus into intestinal segments of rabbits. II. Influence of chemotherapeutic agents on intestinal segments of rabbit infected with Vibrio parahaemolyticus. 6617

Eimeria adendeides and E. meleagrimitis: Pathogenic effect in turkey poults. 6620

Fibrinous colitis in pigs. 6745

Changes in permeability of the mucosa during intestinal coccidiosis infections in the fowl. 6777

The determination of enterokinase activity in the duck intestine during experimental echinostomatosis. 6927

Measurements of the osmotic pressure in the habitat of Polymorphus minutus (Acanthocephala) in the intestine of domestic ducks. 6930

The investigations of main intestine enzymes--enterokinase and alkaline phosphatase in experimental pig trichocephaliasis. 6964

In vitro degradation of DDT by intestinal contents of Atlantic salmon (Salmo salar). 7096

INVERTEBRATES

Appeal concerning the classification of invertebrate viruses. 5160

Immunity in the invertebrates. I. Studies on the naturally occurring haemagglutinins in the fluid from invertebrates. 5462

The effect of reduction in stream flow on invertebrate drift. 5475

Biology of invertebrata. 6449

IODIDES

Tumor localizing agents VI. Radioiodinated analogs of dichlorodiphenyldichloroethane (DDD). 6536

IONIZATION

Isotopes in agriculture. 6440

IONS

The stimulation of 2,4-dinitrophenol-activated ATPASE by anions. 4976

Ionic composition of haemolymph and nervous function in the cockroach, Periplaneta americana L. 5528

A relationship between ionic environment and hormonal activation of phosphorylase in an insect. 5629

An anion-stimulated adenosine triphosphatase from the potassium-transporting midgut of the larva of Hyalophora cecropia. 5651

Effect of a soluble fraction of oil seed meals on uptake of 65Zn from ca.mg.65Zn.phytate complexes by the chick'. 6690

IPHITA LIMBATA

Ovarian response to corpus allatum in Iphita limbata Stal.. 5386

IPS

Rearing of Ips cembrae larvae on artifical diets: Some essential amino acids and sugars. 5206

Studies on the attack behavior of the southern pine beetle. III. Sequence of tree infestation within stands. 6177

IPS SEXDENTATUS

Research on the reactions of Ips sexdentatus Boerner to terpenic fumes of several conifers. 5262

IPS TYPOGRAPHUS

Concerning the problem of controlling the oceurence, as well as estimating the degree of infestation of tree stands by Ips typographus L. 6263

IRIDOMYRMEX HUMILIS

Rates of competitive exclusion by the Argentine ant in Bermuda. 5274

IRON

2,4-D metabolism; enzymatic degradation of chlorocatechols. 5785

Changes in growth and metabolism of excised pea roots associated with iron deficiency. I. Changes in number of cells, nitrogenous constituents and respiration rate. 5856

Relationship of iron, manganese, and bicarbonate to chlorosis of rice grown in calcareous soil. 6039

Iron chlorosis in relation to irrigation practices. 6123

Results of hemoglobin determination in piglets in the framework of herd diagnosis of piglet anemia. 6540

Hematological response of different stocks of chikens to iron-copper deficient diet. 6862

IRON SULFATES

The distribution of trace elements in the leaves of the coconut palm, and the effect of trace element injections. 7297

IRRADIATION

Dose rate effect of radiation on spermatogonia of the silkworm. 5635

Crossing-over in the males of Drosophila ananassae: exchanges in irradiated pupae. 5712

Response of pines irradiated with lethal and sublethal doses of gamma-radiation. 5829

Heat sensitization for control of grey mold of strawberry fruits by gamma irradiation. 6090

All we know about pink bollworms. 6271

On the bacterial effect of ionizing irradiation on certain microorganisms. Second communication. A study of the bactericidal effect of gamma rays on certain bacteria and the spores of Bac. anthracis. 6425

Effects of total and partial body radiation on helminthic infections. 6923

Sensitivity of stored melon fruit fungi to gamma irradiation. 7025

Postirradiation modification of ultraviolet-sensitivity of normal and nitrofurazone-resistant strains of the blue-green alga Anacystis nidulans. 7217

Changes in ration of sugars and amino acids in cotton-plant and maize upon gamma-irradiation of seeds prior to sowing. 7250

IRRIGATION

Control of pasture Aedes mosquitoes by dripping larvicides into flowing water, with notes on residues in a pasture habitat. 5486

Soil science and agricultural chemistry. 5805

Investigation of means for the chemical control of basal rot (Phytophthora capsici Leon.) of pepper. 6010

Iron chlorosis in relation to irrigation practices. 6123

All we know about pink bollworms. 6271

Control of eelworm diseases of bananas in Western Australia. 6291

Preplanting applications of prometryne in cotton. 6340

Effects of methods of placement on performance of trifluralin, CDEC, and DCPA applied to soil. 6364

Water pollution and agriculture. 7075

IRRIGATION DITCHES

Alligatorweed found in Arkansas. 6384

ISOBENZAN

Comparative efficacy and economics of various measures adopted for eradication of white grub beetle (Holotrichia serrata Fabricius) damaging sugarcane in Uttar Pradesh. 6204

ISOLATES

Gangrenous mastitis in ewes. II. Characteristics of the staphylococci, isolated from healthy ewes and from ewes affected with gangrenous mastitis. 6675

ISOMERISM

Lindane: Metabolism to a new isomer of pentachlorocyclohexene. (abstract). 5551

ISOMERIZATION

Fat as a factor in the epimerization of chlortetracycline in feeds. 7353

ISOMERS

The preparation of L- and D-alpha-amino-beta-methylaminopropionic acids and the identification of the compound isolated from Cycas circinalis as the L-isomer. 7311

ISOMETRUS MACULATUS

Repeated pregnancy and duration of the gestation period in the scorpion, Isometrus maculatus De Geer (Fam., Buthidae). 5539

ISOPODA

Emigration and mortality rates and the food-shelter conditions of Ligidium hypnorum L. (Isopoda). 5624

Experimental transmission of Histomonas meleagridis and Heterakis gallinarum by the sowbug, Porcellio scaber, and its implications for further research. 6830

ISOPROPOXYPHENYL METHYLCARBAMATE, O

Oxidative metabolism of C14-labeled Baygon by living house flies and by house fly enzyme preparations. 5604

Unique problems in insect and pest control of NASA's Mississippi Test Facility. 5755

Laboratory tests of five new insecticides as protectants for stored rough rice. (abstract). 7031

ISOPTERA

Contribution to the study of higher termite digestion. 5417

Radiographic study of intestinal transit in a higher termite. 5418

Occurrence of antimicrobial substance in the exudate of physogastric queen termite Termes repemanni Wasmann. 5582

Termites need no longer threaten groundnut in Nimar. 6202

Termite workers. 7032

ISOTOPES

Effect of food availability on rates of loss of 45calcium from Hyphantria cunea (Lepidoptera: Arctiidae). 5268

New strategy against the codling moth. 5520

Metabolism of organophosphorus insecticides. IX. Distribution, excretion and metabolism of dimethoate Prodenia lituria. (abstract). 5690

Isotopes in agriculture. 6440

Localization of P32 labeled Mycobacterium tuberculosis in fowl organisms. 6636

Distribution of Strontium 90 and Cesium 137 in dairy products in the processing of ewe's milk. 2. In white brined cheese. 7140

Influence of some herbicides on accumulation of 32P in above-ground organs of oats. 7223

Use of an electron capture detector in gas chromatography. III. An example of its application. A study of the response of some chlorinated and phosphorated pesticides.
7340

IXODES
Mortality in sheep due to Ixodes species.
6907

IXODES PERSULCATUS
Efficacy of use of some phospho-organic compounds as acaricides in foci of tick-borne encephalitis.
5772

IXODES RICINUS
Ixodes ricinus borne parasites of cattle in the Netherlands.
6210

IXODIDAE
Ixodes walkerae, n. sp. from a bird in Kenya. (Acarina: Ixodidae).
5012

Some observations on the chaetotaxy of the legs of larval Ixodidae (Acari: Metastigmata).
5025

Ixodes (Lepidixodes) kopsteini Oudemans, 1925, valid name for I. (L.) paradoxus Kohls and Clifford, 1961, with notes on distribution and hosts (Acarina: Ixodidae).
5083

Changes in neurosecretory activity at different stages in the adult Hyalomma dromedarii Koch, 1844.
5287

The occurrence of Argas japonicus and Ixodes lividus in Nagano Prefectur, Japan (Ixodoidea: Argasidae; Ixodidae).
5652

Detection of complement fixing antibody to the agents of tick typhus fever of northern Asia and Q fever in wild animals of the extreme north of western Siberia.
6810

IXODIDES
A carbon dioxide bait trap for collecting ticks and fleas from animal burrows.
4972

Some remarks on the tampans of the Ornithodoros moubata complex in southern Africa.
5102

Argas (Argas) Japonicus, new species, associated with swallows in Japan and Korea (Ixodoidea, Argasidae).
5174

Hughes virus from Trinidadian ticks and terns.
5188

Juvenile sterility in male ticks of Orinthodoros tholozani.
5303

Transmission of the tularemia pathogen to homothermal animals by Ixodes ticks. (JPRS 44,105).
5758

Immunologic structure of the population in a foothill Taiga focus of tick-borne encephalitis in the Zone of Construction of the Krasnoyarskaya Hydropower Station after realization of tick control measures.
5766

Efficacy of use of some phospho-organic compounds as acaricides in foci of tick-borne encephalitis.
5772

On the effect of Sevin on sexual functions of warm-blooded animals.
6439

The incidence of clinical babesiosis in cattle in Queensland.
6651

1969, controlling insects on sheep and goats.
6905

Mortality in sheep due to Ixodes species.
6907

JAAGZIEKTE
Experimental transmission of sheep pulmonary adenomatosis (ijaagsiekte).
6861

JACKBEANS
Arginine metabolism in germinating seeds of some members of the leguminosae.
7255

JAPANESE B ENCEPHALITIS
Identification of the host range of Culex tritaeniorhynchus mosquitoes on Okinawa, Ryukyu Islands.
5765

JAWS
Actinomycosis of mandible gingivae.
6494

JOHNE'S DISEASE
Johne's disease. II. The pathogenic agent, susceptible species and method of infection.
6549

Experimental paratuberculosis in sheep after oral, intratracheal, or intravenous inoculation: Lesions and demonstration of etiologic agent.
6672

JOINT DISEASES
Arthritis in chickens due to Staphylococcus aureus.
6680

Rheumatoid arthritis in a dog.
6695

JUTE
How to control jute pests economically.
6267

JUVENILE HORMONE
Juvenile hormone: Activity of natural and synthetic synergists.
5238

Ovarian response to corpus allatum in Iphita limbata Stal..
5386

Biochemical aspects of juvenile hormone action in the adult Locusta migratoria.
5474

KALE
Matricaria and lambsquarter control in Brassicas with analogs of propachlor.
6368

KANAMYCIN
Observing the sensitivity of Francisella tularensis to antibiotics in vitro.
6621

KENAF
Kenaf promising as profit crop.
5851

KERATINS
Third contribution to the knowledge of keratinolytic and keratinophilic soil fungi in the region of Szczecin.
5818

KERATOCONJUNCTIVITIS
Clinical observations and studies regarding the etiology of enzootically occurring bovine keratoconjunctivitis, with particular consideration of Thelazia.
6992

Observations on the occurrence of Thelazia or eyeworm infection of cattle in Northern New South Wales.
7010

KETOSIS
The role of the hypophyseal-suprarenal system in the etiopathogenesis of primary ketosis in cattle.
6767

KIDNEY BEANS
Occurence and host range of Ascochyta phaseolorum in Queensland.
5862

Anthracnose in beans:Determination and variations in the malonic acid content in the different parts of healthy and parasitized plants.
5886

Injured cells required for the initiation of plant virus infections.
5983

Navy bean pests.
6238

Arginine metabolism in germinating seeds of some members of the leguminosae.
7255

A note on cycocel (2-chloroethyl trimethyl ammonium chloride), a newly released plant growth regulant.
7263

Penetration of chlorinated phenoxyacetic and benzoic acids into leaves.
7289

Effect of CCC and glycine betaine on growth and growth-substance content of primary leaves of dwarf French bean (Phaseolus vulgaris L.).
7317

KIDNEYS
Investigations on the viruses of the Orphan type occurring in pigs in Poland. VII. Influence of the Orphan virus L1 on the virus of hog cholera in swine kidney cell cultures.
6501

Histopathological examination of the kidneys of a ram who died of a urethral obstruction due to sedimentosis.
6646

Propagation of swine-fever virus in cell culture.
6655

Long-term studies of renal function in canine leptospirosis.
6700

The isolation of Leptospira sejroe from the kidneys of aborting cattle.
6724

Egg transmission studies of Type II leukosis infection (Marek's disease).
6809

Cell culture techniques for primary isolation of Marek's disease-associated herpesvirus.
6872

Cortisone nephropathy in the rabbit. The effect of warfarin administration.
7195

KINASES
The induction of NAD kinase by DDT in Triatoma infestans.
5182

The determination of enterokinase activity in the duck intestine during experimental echinostomatosis.
6927

The investigations of main intestine enzymes--enterokinase and alkaline phosphatase in experimental pig trichocephaliasis.
6964

KINETIN
Effects of kinetin and actinomycin D on the susceptibility of Nicotiana glutinosa L. to infection by tobacco mosaic virus.
6022

Cytochemical effects of indoleacetic acid and kinetin on megagametophytic development in Lilium.
7245

Studies on the light sensitivity of Plantago major L. seeds. I. The effect of gibberellin, kinetin and potassium nitrate.
7285

Distribution of labelled plant growth regulators within cells.
7321

KNEMIDOKOPTES
Lice and mites in poultry.
6890

LABELING
The story behind the label.
6419

Maintaining high-quality veterinary biologics.
6429

Antibiotics. Use in animals.
7177

Veterinary prescription drugs. Directions for use.
7182

How FDA keeps drugs safe, effective.
7209

Pesticide chemicals; a programmed text. TP248.P47C6.
7419

LABIDURA RIPARIA

Cytochemical studies on the neurosecretory cells of the brain of Labidura riparia Pallas (Dermaptera).
5611

LABORATORIES

The hemlock sawfly in southeast Alaska.
5353

The possibility of estimating loose smut in a seed lot of barley with regard to the increase from one generation to the next.
5934

Laboratory tests of five new insecticides as protectants for stored rough rice. (abstract).
7031

LABORATORY ANIMALS

Chironomus strenzkein. sp. (Chironomidae, Dipt), a new laboratory animal.
5031

A technique for rearing trombiculid mites (Acarina) developed in a tropical laboratory.
5489

Maintaining high-quality veterinary biologics.
6429

Tumor localizing agents VI. Radioiodinated analogs of dichlorodiphenyldichloroethane (DDD).
6536

The effect of furan series' carboxylic acid N, N-bis-(2-chloroethyl) hydrazides and N, N-bis-(2-chlordethyl) amides on the growth of transplantable tumours and haematopoiesis of rats and mice.
6543

Distribution of experimentally induced scrapie lesions in the brain.
6580

Bovine herpes mammillitis virus. III. Observations on experimental infection.
6796

Studies on goat-pox virus. II. Serological reactions.
6806

Pathomorphological studies on rabbits and guinea-pigs experimentally infected with the virus of Aujeszky's disease.
6854

Infection of some species of Gamasidae with R. burneti in the natural Q-fever foci.
6910

Biological methods for determining the toxicity of grain in connection with its infestation with toxigenic microfungi.
7147

Synergistic toxicity and carcinogenicity of 'freons' and piperonyl butoxide.
7160

Degradation and activation of parathion analogs by microsomal enzymes.
7189

Applicability of mildew-infested wheat to feeding.- Short communication.
7214

LABORATORY INSECTS

Co-resistance and resistance inheritance in a dieldrin resistant laboratory stock of the clothes moth (Tineola bisselliella (Hum.), Lep.).
5423

LACTATE DEHYDROGENASE

Nicotinamide-adenine dinucleotide-linked form of lactic dehydrogenase of the symbionts and fat bodies of a cockroach.
5295

Evidence of lactate dehydrogenase in Anaplasma marginale.
6541

LACTATION

Excretion of radioactive mestranol in the milk of animals.
6444

Incidence of udder infections arising at various stages of lactation of cows.
6734

LACTIC ACID

Biochemical correlates of respiratory and developmental changes in anoxic Tribolium confusum pupae.
5408

LACTOBACILLACEAE

Investigations concerning the microflora of isterband , a Swedish fermented type of sausage.
7062

LACTOSE

S.N.F. content of milk.
6446

Catabolite repression in Escherichia coli. A study of tow hypotheses.
6732

LAEMOPHLOEUS

New possibilities of pest control in mills and flour storages by DDVP chemicals.
7035

LAKES

New species of chironomids (Diptera, Chironomidae) from Yashil-kul and Bulun-Kul lakes (Pamirs).
4982

Resistance of Chaoborus Light. larvae to lack of food.
5607

The behaviour of Chaoborus Licht. larvae under unfavourable oxygen conditions.
5608

Water pollution and agriculture.
7075

Degradation of gamma-BHC in simulated lake impoundments as affected by aeration.
7362

LAMBERTELLIN

Antibiotic lambertellin and method for production. Patent 3,438,998.
7375

LAMBS

Brucella ovis infection. 2. The infection status in breeding flocks as measured by examination of rams and the perinatal lamb mortality.
6618

Remarks on the receptivity of new born lambs towards the foot-and-mouth disease virus.
6649

Effects of ration energy level, vaccination, and antibiotics on feedlot performance of range lambs.
6795

Role of calcium in the nutritional etiology of a metabolic disorder in ruminants fed a high grain ration.
6857

Influence of sulfur on incidence of white muscle disease in lambs.
6865

LAMPYRIDAE

Mechanism of rhythmic synchronous flashing of fireflies.
5243

Pigment movement and the crystalline threads of the firefly eye.
5372

Effect of drugs on luminescence in larval fireflies.
7150

LAND

Synecological studies of soil macroentomofauna in two different agricultural biotopes.
5332

Faunal and zoocenological analysis of the soil insect communities in the ecosystem of shelterbelt and field.
5333

LANTANA

Insects on trial in fight against lantana.
6276

LANTANA CAMARA

A symptomless carrier of sandal spike disease.
6027

LAODELPHAX STRIATELLUS

Collecting method and preliminary analysis of the soluble salivary secretions of the planthoppers.
5618

Dwarf, yellow dwarf, stripe, and black-streaked dwarf diseases of rice.
5968

Rice stripe disease in Korea.
5992

Electron microscopic studies of rice viruses.
6077

Ecology of insect vectors, forecasting, and chemical control.
6205

LARD

Action of microorganisms on the peroxides and carbonyls of fresh lard.
7066

LARIX

Remarks on some larch-feeding Tortricids (Lepidoptera, Tortricidae).
5179

The influence of light and temperature variations on the behavior and fecundity of the larch-bud moth Zeiraphera diniana (Gn.) (Lepidoptera: Tortricidae).
5467

Sarcotrochila alpina and Lophodermium laricinum causing larch needle blight in North America.
6141

LARVAE

Bibionid larvae in the stomach of a deer.
4978

Notes of larvae of aquatic Coleoptera in the Ethiopian region (Western and Equatorial Africa).
4999

Taxonomic notes on the larvae of British Diptera. No. 26. the presumes larva of Dioctria oelandica (Linnaeus) (Asilidae).
5005

Some observations on the chaetotaxy of the legs of larval Ixodidae (Acari: Metastigmata).
5025

The immature stages of Lype diversa (Banks) (Trichoptera, psychomyiidae).
5032

A key to all stages of the British species of the family Neobisiidae (Pseudoscorpiones: Diplosphyronida).
5037

Is one able to diagnose the sex of the moth, Celerio euphorbiae (Lep., Sphingidae) in the caterpillar stage .
5070

A larva of Citheronia sepulchralis (Citheroniidae) from New Jersey.
5073

Notes on some larval and pupal chironomids (Diptera) from Lake Kariba, Rhodesia.
5101

The validity of the separation of Thrips physapus L. and T. hukkineni Priesner (Thysanoptera: Thripidae).
5166

The infection of immature aquatic insects by larval Paragordius (Nematomorpha).
5167

Some properties of the microsomal system metabolizing DDT in Triatoma infestans.
5183

Ultrastructure of a cytoplasmic polyhedrosis virus affecting the monarch butterfly, Danaus plexippus. I. Development of virus and normal polyhedra in the larva.
5197

Bromolysergic acid diethylamide in physiological studies of lepidopterous larvae.
5199

Experiments on the etiology of European foul brood of the honeybee.
5204

Rearing of Ips cembrae larvae on artifical diets: Some essential amino acids and sugars. 5206

Structure and development of vesicles in larval tissue culture of Aedes aegypti (L.). 5227

Evaluation of some parameters of the individual energy budget of the larvae of Pteromalus puparum (L.) (Pteromalidae) and Pimpla instigator (Fabr.) (Ichneumonidae). 5264

The physiology of mosquitoes. 5266

The development of fat bodies in the larvae of Calliphora erythrocephala Meig,. 5277

Notes on larval host acceptance in a California population of Plebejus acmon (Lycaenidae). 5331

DDT resistance in Oncopera. 5355

Toxicological studies on cutworms. I. Laboratory studies on the toxicity of insecticides to the dark-sided cutworm. 5357

Mosquitoes feeding on insect larvae. 5359

Gas-liquid chromatography analysis of DDT metabolism in Aedes aegypti. 5370

Differences in light reactions of larvae of the armyworm Leucania separata Walker in relation to their phase status. 5388

Fluctuations in numbers and reduction of the Colorado beetle (Leptinotarsa decemlineata Say) in natural conditions. 5402

Incidence of Bacillus popilliae (Dutky) in Costelytra zealandica (White) larva. 5406

On ecology and phenology of Heptatoma pellucens F. (Tabanidae, Diptera). 5415

Effect of ligaturing on puparium formation in the larva of the tsetse fly, Glossina morsitans Westwood. 5432

The leatherjacket risk grows. 5447

Notes on Banchopsis ruficornis Cameron (Hym.: Ichneumonidae) an internal larval parasite of Heliothis armigera (Hubner) in India. 5457

Olfactory response of larvae of the onion maggot, thylemya antiqua Meigen (Diptera: Anthomyiidae) to organic sulfur compounds. 5458

The breeding of Lytta vesicatoria in the laboratory and demonstration of cantharidin synthesis in larvae. 5468

Mosquito control agents derived from petroleum hydrocarbons. III. The effect of FLIT MLO on first and second larval instars. 5470

Utilization of larval cholestrol-4-C14 for reproduction in house flies fed unlabeled cholesterol in the adult diet. 5481

The larval and imaginal oenocytes of Callosobruchus maculatus (Fabricius) (Coleoptera: Bruchidae). 5512

New record of a braconid parasite, Apantales colemani Viereck., from the larvae of Euproctis lunata Walker. 5514

Diptera larvae in soil treated with organic and mineral fertilizers. (I). Family Asilidae-Diptera-Brachycera. 5541

Synoptic tables of larvae and imagos of the species of the family Chrysotribax Reitter. (Col. Carabidae). 5548

Some effects of Metarrhizium anisopliae and its toxins on mosquito larvae. 5564

Visual centers during postembryonic life of Callosobruchus maculatus (F.). 5588

Intraspecies competition in a field population of Gregopimpla himalayensis (Hymenoptera: Ichneumonidae) parasitic on Malacosoma neustria testacea (Lepidoptera: Lasiocampidae). 5600

Resistance of Chaoborus Light. larvae to lack of food. 5607

The behaviour of Chaoborus Licht. larvae under unfavourable oxygen conditions. 5608

Cell cultures derived from larvae of Aedes albopictus (Skuse) and Aedes aegypti (L.). 5609

Functional response to host density in a parasitic wasp, with reference to population regulation. 5640

An infection of Streptococcus faecalis Andrewes et Horder in the pine looper moth, Bupalus piniarius L. (Lepidoptera, Geometridae). 5654

Sexual dimorphism of larvae and pupae of Aedes aegypti (Linn.). 5659

The growth and activity of the corpora allata in the larval firebrat, Thermobia domestica (Packard) (Thysanura, Lepismatidae). 5669

Determining suitable wintering and hatching regimes of the eggs of the silk worm (Bombyx mori L.). 5687

Metabolism of organophosphorus insecticides. IX. Distribution, excretion and metabolism of dimethoate Prodenia lituria. (abstract). 5690

Insecticide resistance in the home of Culex pipiens fatigans Wiedemann. 5708

A technique for feeding larval trombiculid mites on laboratory mice. 5748

Tests of larvicides for control of salt-marsh sand flies (Culicoides), 1967. 5750

Studies on a biological and a chemical method of controlling the dark rice field mosquito in Louisiana. (abstracts). 6168

Hylemyia cilicrura Rond. on the Dianthus cultures of Pescia and Versilia. 6174

Aphytis mytilaspidis (Le Baron), a parasite of Parlatoria blanchardi (Targ) in the palm plantations of the Adrar region of Mauritania. 6211

The codling moth and its control. 6224

Cuticle ultrastructure of the Meloidogyne hapla larva. 6292

Injury to Heterodera tabacum by high soil temperatures. 6299

Type C Botulism in a dove (Streptopelia roseogrisea bornuensis) from Ferlo (Senegal). 6557

Synthesis of radioactive Trichinella spiralis larval antigen in vitro. 6799

The development of the infective larva of the canine oesophageal tumour worm Spirocerca lupi in rabbits and its histopathology. 6926

Ancylostoma caninum: Food reserves and changes in composition with age in third stage larvae. 6928

The introduction of Nematodirus battus (Crofton and Thomas, 1951) into a new environment. 6951

Cytochrome c oxidase in migrating larvae of Ascaris lumbricoides var. suum. 7014

Survival of encysted larvae of Trichinella spiralis: Effect of exposure to 0 F, using precooled and fresh ground pork. 7039

Bioassay of captan by zebrafish larvae. 7082

Effect of drugs on luminescence in larval fireflies. 7150

LARVICIDES

The control of the house fly in the city of Tunis. 5297

Laboratory tests of larvicides for mosquito control in potable waters. (abstract). 5389

Control of pasture Aedes mosquitoes by dripping larvicides into flowing water, with notes on residues in a pasture habitat. 5486

Report of the Suffolk County Mosquito Control Commission. 5633

Tests of larvicides for control of salt-marsh sand flies (Culicoides), 1967. 5750

On the larvicidal action of crude cashewnut shell oil. 5757

Mosquito control and/or honey bees. 5769

Alfalfa insects in Ohio. 6158

LASIOCAMPIDAE

Intraspecies competition in a field population of Gregopimpla himalayensis (Hymenoptera: Ichneumonidae) parasitic on Malacosoma neustria testacea (Lepidoptera: Lasiocampidae). 5600

LASIOPOGON

Diptera larvae in soil treated with organic and mineral fertilizers. (I). Family Asilidae-Diptera-Brachycera. 5541

LASPEYRESIA

Remarks on some larch-feeding Tortricids (Lepidoptera, Tortricidae). 5179

LATE BLIGHT

Arsenal for disease control. 5864

LATEX

Recent techniques for serodiagnosis of human and animal hydatidosis. IV. Test with sensitized particals of Latex. 6513

LAUMONTITE

Retention and vooatilization of lindane and DDT in presence of organic colloids isolated from soils and leonardite. 7129

LAWNS

Lawn insects; how to control them. 5658

Lawn weed control with herbicides. 6310

LEAD ARSENATE

Countering the castor semi-looper. 6236

LEAF CURL

Epidemiology of cotton leafcurl virus in the Sudan. 5946

Peach leaf curl. 6006

LEAF FALL

Fungicides for arabica coffee. VIII--PRELIMINARY relationships among some new fungicides, leaf rust (Hemileia vastatrix) and leaf fall. 5964

LEAF MOLD DISEASE

Tomato leaf mould: Its assessment and effects on yield. 6089

LEAF ROLL

Studies on the transmission of pea leaf roll virus by Myzus persicae (Sulz.). 6132

Effect of virus on the rice plant. 6137

LEAF RUST

Fungicides for arabica coffee. VIII--PRELIMINARY relationships among some new fungicides, leaf rust (Hemileia vastatrix) and leaf fall. 5964

Virus diseases of rice in Thailand. 6125

LEAF SPOT

Diseases and pests of coconut in Kerala. 5814

Fungicides and turf disease control - 1964. 5883

Mechanisms of pathogenesis in Sclerotium bataticola on sunflowers. 1. Production and translocation of a necrosisinducing toxin. 5890

Factors influencing disease development of putting green turf. 5956

A new leaf spot disease of Mussaenda frondosa Linn.. 5989

The occurrence of Phyllosticta leaf spot of corn in Pennsylvania. 6068

LEAFSPOT

Dogwood diseases. 5944

Leafspot of gardenia. 6126

LEAVES

Susceptibility of an alfalfa leafcutting bee to residues of insecticides on foliage. 5668

Progress through research- blue mould of tobacco. 5960

Studies on the antifeedant against the catterpillars of Pericallia ricini F. (Arctiidae) and Spodoptera littoralis Boesd. (Noctuidae: Lepidoptera) on castor (Ricinus communis L.). 6259

Host range studies of oat blue dwarf virus. 6274

The role of light, concentration, and species in foliar uptake of herbicides in woody plants. 6331

Translocation of labeled assimilates into and out of bean leaves as affected by 2,4-D and benzyl adenine. 7262

The distribution of trace elements in the leaves of the coconut palm, and the effect of trace element injections. 7297

Effect of CCC and glycine betaine on growth and growth-substance content of primary leaves of dwarf French bean (Phaseolus vulgaris L.). 7317

LECITHINS

Phospholipase A in the venom of the Australian bulldog ant Myrmecia pyriformis. 7180

LEDUM GLANDULOSUM

Interrelationships of Ledum species and their rust parasites in Western Canada and Alaska. 6067

LEDUM GROENLANDICUM

Interrelationships of Ledum species and their rust parasites in Western Canada and Alaska. 6067

LEDUM PALUSTRE DECUMBENS

Interrelationships of Ledum species and their rust parasites in Western Canada and Alaska. 6067

LEGISLATION

Michigan's priority war on mosquitoes. 5601

Those hungry gypsies (Photo story). 6189

Sanitary legislation in France concerning animal salmonellosis. 6417

National approach to control of animal disease in Australia. Editorial. 6468

Victoria's footrot control area. 6470

Control of hydatid disease at abattoirs and country slaughterhouses. 6497

The organization of the collective prophylaxis of infectious animal diseases in France. 6520

Environmental pollution: Scientists go to court. 7072

Pesticides and man's environment. 7073

DDT: Criticism, curbs are on the upswing. 7077

Contribution to the study of antibiotic substances in meats. 7141

The saftey evaluation of pet products. 7204

The organisation of the australian poultry industry and its influence on disease. 7405

Fish and Wildlife Act of 1956 as amended; an excerpt from title 16 of the United States Code. 7420

Pest control: Advise and consent. 7424

LEGS

Some observations on the chaetotaxy of the legs of larval Ixodidae (Acari: Metastigmata). 5025

Mechanism of the insect ear. 5373

LEGUMES

Nutritional behavior of Trogoderma granarium Everts (Coleoptera: Dermestidae) on leguminous seeds. 5230

Fungistatic and fungicidal effects of certain organic products on some fungi causing diseases in vegetables. 5899

Diseases of pulses pose a challenge to plant pathologists, breeders. 6047

Fusariosis of the legume crops in Lithuania. 3. Main forms of lupine fusariosis and its distribution. 6065

A note on the non-transmission of Centrosema mosaic virus through seed. 6076

Natural infection of fenugreek by two legume viruses. 6086

Insect pests of pulse crops. 6157

Pests of legume seed crops in north Queensland. 6245

Control peanut insects and diseases. 6266

Application of herbicides in pulse crops. 6339

Weeds in barley and their control. 6381

Manganese toxicity of legumes seeded in Kentucky strip-mine spoils. 7145

LEGUMINOSAE

Studies on host range of PVY - group viruses in leguminous plants in Japan, and the identification of them by the selected differential test plants. 5971

Arginine metabolism in germinating seeds of some members of the leguminosae. 7255

LEISHMANIASIS

Features of microclimatic regimen of habitats of sandflies in a village of Karshinsky Oasis. 5329

Aggressiveness of different species of sandflies towards man and their infection rate with L. tropica major at the moment of blood-sucking. 5694

LEMNA MINOR

Influence of simazine on apparent photosynthesis is of aquatic plants and herbicide residue removal from water. 7305

LEMONS

Contribution to the study of the population dynamics of the plant louse Toxoptera autantii (Boyer) on lemon trees (Citrus limon Burm). 5674

Lemon scab (Sphaceloma fawcettii scabiosa). 6029

Burrowing nematodes may survive on variants of milam lemon. 6290

LEPIDOPTERA

A summary of forest and shade tree insect-disease conditions for Maine 1967. 4979

Lepidoptera of the Nevada Test Site. 4987

The phenetic relationships of the butterflies. I. Adult taxonomy and the nonspecificity hypothesis. 5026

Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. LXXVIII. Lepidoptera: Nymphalidae, Danaidae and Riodinidae. 5034

The butterfly in the vernacular. 5079

The genera of Palearctic Tortricidae. II. The subfamily Olethreutinae 7th part. Eucosmini (Heinr. 1923) tribe--continuation. 5115

Entomological results of catches in the area of San Bernardino (Misox Gr), which has not been fully explored lepidoterologically. (A building block of the Swiss Lepidoptera fauna). 5147

A widely distributed pine sap injurious, Acanthophila piceana n. sp. (Lep. Gelechiidae) in Latvia. 5150

Bromolysergic acid diethylamide in physiological studies of lepidopterous larvae. 5199

Contribution to the studies of the activity spectra of the strains of Bacillus thuringiensis Berliner. 5244

The flight times of some nocturnal moths. 5365

Male genitalia of the species of Depressaria Haworth s. l. (Lepidoptera, Oecophoridae) occurring in the Netherlands (Addenda). 5427

In vivo and in vitro cytological diagnosis of densonucleosis in Lepidoptera. 5469

Conditions determining the initiation and development of nuclear polyhedrosis epizootics in Lepidoptera. 5506

The evolution and biological significance of multiple pairing in Lepidoptera. 5519

Determining suitable wintering and hatching regimes of the eggs of the silk worm (Bombyx mori L.). 5687

How do native insect parasites behave in relation to imported insect hosts, alien to the native fauna 5695

Records of eye-frequenting Lepidoptera from man. 5749

Italian beet culture. The protection against insect pests. 6233

Virus diseases as limiting factors of some lepidopterous defoliators on poplar trees in Vojvodina. 6249

Contribution to the knowledge of Microlepidoptera on oaks in Israel. 6258

Review of work on major insect pests of rice in Malaysia. Part I. Malayan region. 6281

Toxicity of DDT and related compounds to certain lepidopteran cotton insects. 7215

LEPIDOSAPHES ULMI
Twig and branch mortality of American beech infested with oystershell scale. 6172

LEPISMA SACCHARINA
Thermobia domestica (Packard 1873). 5673

LEPTINOTARSA DECEMLINEATA
Two major effects of the corpus allatum in the adult Colorado beetle (Leptinotarsa decemlineata Say). 5281

Fluctuations in numbers and reduction of the Colorado beetle (Leptinotarsa decemlineata Say) in natural conditions. 5402

Limitation of the Colorado beetle by nematodes and prospects for their practical utilization. 5580

Egg reduction of the Colorado beetle (Leptinotarsa decemlineata Say) as a hunger-dependent reaction. 5650

LEPTOCENTRUS
A new Leptocentrus (Homoptera: Membracidae) from the Congo. 5009

LEPTOCONOPS IRRITANS
Leptoconops irritans Noe' in the province of Grosseto: Control problems. 5226

LEPTOCONOPS KERTESZI
Leptoconops irritans Noe' in the province of Grosseto: Control problems. 5226

LEPTOGASTER
Diptera larvae in soil treated with organic and mineral fertilizers. (I). Family Asilidae-Diptera-Brachycera. 5541

LEPTOPHLEBIIDAE
The infection of immature aquatic insects by larval Paragordius (Nematomorpha). 5167

LEPTOSPIRA
Canine leptospirosis in Argentina. 6507

LEPTOSPIRA CANICOLA
The canine leptospiroses. 6848

LEPTOSPIRA HARDJO
Serological survey on the incidence of bovine leptospirosis in the province of Belluno. 6464

LEPTOSPIRA ICTEROHAEMORRHAGIAE
Leptospirosis icterchaemorrhagiae in dogs in Tasmania. 6531

Long-term studies of renal function in canine leptospirosis. 6700

The canine leptospiroses. 6848

LEPTOSPIRA POMONA
Serological survey on the incidence of bovine leptospirosis in the province of Belluno. 6464

Serological examination for evidence of brucellosis and leptospirosis in beef herds in New South Wales. 6633

LEPTOSPIRA SEJROE
The isolation of Leptospira sejroe from the kidneys of aborting cattle. 6724

LEPTOSPIRES
Enzootic abortion and sterility from bovine leptospirosis in the Po valley. 6488

LEPTOSPIROSIS
The natural occurrence of canine L. icterohaemorrhage infection. A survey during ten years (October 1957-September 1967). 6463

Serological survey on the incidence of bovine leptospirosis in the province of Belluno. 6464

Enzootic abortion and sterility from bovine leptospirosis in the Po valley. 6488

Leptospira icterohaemorrhagie natural infection in the dog. I. Determination of activities of serum enzymes. 6504

Canine leptospirosis in Argentina. 6507

Experimental leptospirosis. III. Leptospirosis in dogs. Experimental reproduction of the sickness. 6508

Leptospirosis icterchaemorrhagiae in dogs in Tasmania. 6531

Serological examination for evidence of brucellosis and leptospirosis in beef herds in New South Wales. 6633

Zoonoses in india. 6667

Animal leptospirosis in Primorye. 6671

The canine leptospiroses. 6848

Studies on the intraocular inoculation of dogs with various strains of leptospires. 6863

Long complement fixation test for leptospirosis diagnosis. 6881

LEPTOTROMBIDIUM
The establishment ofa lectotype for Leptotrombidium (Leptotrombidium) akamushi (Brumpt, 1910) (Acarina: Trombiculidae). 5163

LESIONS
Observations and ethological considerations on lesions caused by faults in the construction of stalls in some cattle herds. 6450

The management of cases of suspected poisoning. 7173

LETHAL FACTOR
The variation from year to year of the concentration and allelism of lethal mutations in neighbouring natural populations of Drosophila melanogaster. 5707

Linkage of gold, its recessive lethality and sex-related variation in crossing-over in Culex pipiens (Diptera: Culicidae). 5722

Temperature-sensitive mutations in Drosophila melanogaster, III. Dominant lethals and semilethals on chromosome 2. 5740

Response of pines irradiated with lethal and sublethal doses of gamma-radiation. 5829

LETHAL YELLOWING
Selecting and breeding coconut palms (Cocos nucifera L.) resistant to lethal yellowing disease. A review of recent work in Jamaica. 6130

LETHOCERUS MAXIMUS
The calcium sensitivity of ATPase activity of myofibrils and actomyosins from insect flight and leg muscles. 5456

LEUCANIA SEPARATA
Differences in light reactions of larvae of the armyworm Leucania separata Walker in relation to their phase status. 5388

LEUCOCYTOZOON DISEASE
Blood parasites found in imported birds at postmortem examination. 6987

LEUCOPHAEA MADERAE
Electron microscopic and biochemical characterization of collagen in blattarian insects. 5356

LEUKEMIA
Bovine leukaemia. A report of four cases. 6698

LEUKOCYTES
Correlation of four mastitis detection tests with respect to the leucocyte count. 6647

Central-nervous-system lesions of spontaneous Pasteurella anatipestifer infection in ducklings. 6654

Diagnosis of cow mastitis based on leukocyte count in milk. 6668

Cytolytic plasma factor in experimental coccidioidomycosis. 6688

LEUKOSIS
Specific activation of the properdin system in orientation experiments for a therapeutic control of bovine leukosis. 6727

Viral etiology of the bovine lympholeukosis. 6729

LIFE CYCLE
Study of the cycle of Geckobia latastei and Geckobia loricata, Acarine parasites of the Gecko Tarentola mauritanica. 5044

Studies of house flies. I. Breeding of Musca sorbens, Wied.. 5282

Notes on the Swedish species of the genus Centromerus F. Dahl. (Araneae, Linyphiidae). A faunistic report with ecological remarks. 5422

Life cycles of benthic insects in Lapland streams (Ephemeroptera, Plecoptera, Trichoptera, Diptera Simuliidae). 5653

Moniliasis of plum-trees. Biology and methods of control. 6054

Houseflies, blowflies and cluster flies. 6901

Pelecitus ceylonensis n. sp. from the chick and ash-dove experimentally infected with larvae from Mansonia crassipes, and from naturally-infected crows in Ceylon. 6938

LIGHT
Polarized light observations on striated muscle contraction in a mite. 5198

Change in the photic reaction due to DDT in the grain weevil, Sitophilus granarius (L.)(Coleoptera: Curculionidae). 5209

Differences in light reactions of larvae of the armyworm Leucania separata Walker in relation to their phase status. 5388

The influence of light and temperature variations on the behavior and fecundity of the larch-bud moth Zeiraphera diniana (Gn.) (Lepidoptera: Tortricidae). 5467

The optics of insect compound eyes. 5473

The effect of reduction in stream flow on invertebrate drift. 5475

On the photopositive responses of some insects towards monochromatic lights. 5691

Effect of climatic factors on the susceptibility of insects to insecticdes. 6251

The role of light, concentration, and species in foliar uptake of herbicides in woody plants. 6331

Stimulatory effects of gibberelins on the growth of Chlorella pyrenoidosa (Chick). 7224

Effect of light and gibberellic acid on the growth of pea internodes. 7277

Studies on the light sensitivity of Plantago major L. seeds. I. The effect of gibberellin, kinetin and potassium nitrate. 7285

Photodecomposition of the acaricide N'-(4-chloro-o-tolyl)-N,N-dimethylformamidine. 7354

LIGHT TRAPS
Insect and mite control on ornamentals. 5471

Home garden insect control. 5472

Pesticide residues - USDA'S position. 7139

LIGHTING
Comparative behavior of the oospores and oogonia of Phytophthora citricola during germination on an artificial medium. 5798

LILIUM CANDIDUM
Cytochemical effects of indoleacetic acid and kinetin on megagametophytic development in Lilium. 7245

LIME
New disease in European plums. 6129

LIMESTONE
Interaction of soil reaction and method of seed inoculation on alfalfa. 5781

LIMNEPHILIDAE
On emergence times within the genus Polamorphylax Wallengren (Trichoptera, Limnephilidae). 5645

The chromosomes of the caddis-fly, Glyphotaelius pellucidus (Retzius, 1783) (Trichoptera: Limnephilidae, Limnephilinae). 5714

LIMNORIA
Estimation of marine-borer attack on wooden surfaces. 7046

LIMONIUS CALIFORNICUS
Sex attractant identified in click beetles of the sugar-beet wireworm. 5442

LINDANE
Field test of lindane against overwintering broods of the western pine beetle. 5094

Ants in the home and garden; how to control them. 5184

Temperature effects on the toxicity of five insecticides against five species of stored-product insects. 5384

Insects and related pests of house plants; how to control them. 5395

Chlorinated hydrocarbon insecticide inhibition of cockroach and honey bee ATPases. 5414

Lindane: Metabolism to a new isomer of pentachlorocyclohexene. (abstract). 5551

Lindane: Metabolism to a new isomer of pentachlorocyclohexene. 5552

Lace bugs. 5661

Field studies on the chemical control of the stem borer Chilo partellus on hybrid sorghum in India. 6143

Porina and grassgrubs put curbs on production. 6187

Indications on plant care for olive crop cultivation. 6192

Termites need no longer threaten groundnut in Nimar. 6202

Maryland arborists discuss insect control. 6221

Delhi farmers need not be afraid of mustard aphid. 6239

Bark beetles. 6273

Getting rid of camel mange. 6897

Evaluation of acaricidal dips for control of Psoroptes ovis on sheep. 6900

Houseflies, blowflies and cluster flies. 6901

More about the pesticide residue problem. 7090

Determination of residual bHC and lindane quantities in the soil and plants and investigations on their toxicity. 7091

Some observations on the effects of using organochlorine sprays in an orchard. 7098

Effect of direct steam heating and vacuum treatment on levels of pesticide residues in milk. 7119

Retention and vooatilization of lindane and DDT in presence of organic colloids isolated from soils and leonardite. 7129

Degradation of gamma-BHC in simulated lake impoundments as affected by aeration. 7362

Microscopic identification of some chlorinated hydrocarbon insecticides on different substrata. 7381

LINOGNATHUS VITULI
Cattle lice; how to control them. 6889

LINSEED OIL
Controlling stem-end rot of ripe mango. 6035

LINURON
Weed control in corn. 6333

Postemergence weed control in soybeans. 6378

LINYPHIIDAE
Notes on the Swedish species of the genus Centromerus F. Dahl. (Araneae, Linyphiidae). A faunistic report with ecological remarks. 5422

LIPAPHIS ERYSIMI
Delhi farmers need not be afraid of mustard aphid. 6239

LIPASES
Pancreatic enzymes initiating excystation of Eimeria acervulina sporozoites. 6554

LIPIDS
Substances that attract caged honeybee colonies to consume pollen supplements and substitutes. 5565

Lipids in the melanic mutant of the large milkweed bug, Oncopeltus fasciatus. 5689

The effects of DDT on a breeding population of the rufoussided towhee (Pipilo e. erythrophthalmus Linnaeus). 6418

Ancylostoma caninum: Food reserves and changes in composition with age in third stage larvae. 6928

LIRIODENDRON TULIPIFERA
Butt rot in yellow-poplar seedling-sprout stands. 5947

LIRIOMYZA
The Alysiinate (Hym. Braconidae) parasites of the Agromyzidae (Diptera). V. The parasites of Liriomyza Mik and certain small genera of Phytomyzinae. 5051

LISSORHOPTRUS ORYZOPHILUS
The water weevil problem. 6146

LISTERIA MONOCYTOGENES
Mechanisms of pathogenesis in Listeria monocytogenes infection. III. Carbohydrate metabolism. 6866

LISTERIOSIS
Listeriosis in sheep - observations on an outbreak in Romagna. 6532

LITHIUM CHLORIDE
Purification of potato virus X and preparation of infectious ribonucleic acid by degradation with lithium chloride. 5930

LITHUANIA
On the nematode fauna of domestic fowl in the Lithuanian SSR. 6959

LIVER
Notes on the spontaneous pathology of the dog in the laboratory. 3rd note: Concerning a spontaneous hepatectomy. 6452

Hepatic lesions in the rabbit caused by Vibrio sp. 6512

Hepatocellular carcinoma in the dog. 6586

Magnesium requirement of the laying hen for reproduction. 6607

Localization of P32 labeled Mycobacterium tuberculosis in fowl organisms. 6636

Evidence for conversion of DDT to TDE in rat liver: Ii. Conversion of p,p'DDT to p,p'TDE in axenic rats. 6753

Identification of enterococci in chicken livers. 6762

Effects of aflatoxin B1 on polysomal profiles and RNA synthesis in rat liver. 6793

Complex investigation of the functional state of the liver in the course of experimental flukeworm disease in sheep. 6989

No effect level of DDT in induction of microsomal epoxidation. 7105

Hepatotoxic potency of various chlorinated hydrocarbon vapors relative to their narcotic and lethal potencies in mice. 7166

LIVER DISEASES

Spontaneous and experimental aflatoxicosis of ducks. 6626

LIVER FUNCTION TESTS

Complex investigation of the functional state of the liver in the course of experimental flukeworm disease in sheep. 6989

Hepatotoxic potency of various chlorinated hydrocarbon vapors relative to their narcotic and lethal potencies in mice. 7166

LIVESTOCK

Zootechnical initiatives carried out during 1966. 6422

Artificial insemination of livestock in the South Pacific. 6434

Parasites of man and domestic animals in Vietnam, Thailand, Laos, and Cambodia. Host list and bibliography. 6437

Testicle hypoplasia in a boar of the Gottinger miniature swine breed. 6792

1969 insect control guide for Colorado. III. Livestock pests, poultry pests, farm fly control. 6892

Insect and mite pests of livestock, poultry, and farm buildings. 6899

Contribution to the knowledge of parasitic fauna of domestic animals and some game in Vojvodina. 6945

Study of blood serum of parasitized animals. I. Electrophoresis. 6966

LIVESTOCK DISEASES

Ixodes ricinus borne parasites of cattle in the Netherlands. 6210

Sanitary legislation in France concerning animal salmonellosis. 6417

Shell products for animal health. 6423

Veterinary science. 6438

S.N.F. content of milk. 6446

The effect of mastitis on the freezing-point of cows' milk. king, j o l. 6451

Bordetella bronchiseptica and infections of the nasal cavity in swine. 6457

Interstate transportation of animals and poultry. Brucellosis. Miscellaneous amendments. 6462

Serological survey on the incidence of bovine leptospirosis in the province of Belluno. 6464

The route to control of mastitis. 6465

Effective attack on mastitis...at last. 6466

Victoria's footrot control area. 6470

Some observations on the incidence of Brucellosis in animals in West Pakistan. 6471

A progressive spastic syndrome in cattle. 6481

Susceptibility of European Zebu crossbred cattle to lapinsed rinderpest vaccine. 6484

Clinical and pathological studies of Border Leicester rams naturally infected with Actinobacillus seminis. 6487

Enzootic abortion and sterility from bovine leptospirosis in the Po valley. 6488

Pig diseases. 6489

The significance of the manganese content in the hair of cattle. 6492

Actinomycosis of mandible gingivae. 6494

Duration of rinderpest virus excretion in cattle immunized with an inactivated vaccine. 6496

Animal health business thrives. 6499

Investigations on the viruses of the Orphan type occurring in pigs in Poland. IV. Haematological findings in piglets artificially infected with virus L1. 6500

Investigations on the viruses of the Orphan type occurring in pigs in Poland. VII. Influence of the Orphan virus L1 on the virus of hog cholera in swine kidney cell cultures. 6501

A note on homologous strain immunity in Babesia argentina infections. 6509

Vaccination of bulls against bovine vibriosis. 6521

The immunity induced in cattle and sheep by inoculation of neurotropic or pantropic Rift Valley fever viruses. 6523

Experimental infection of cattle with pantropic Rift Valley fever virus. 6524

Promazine hydrochloride in endotoxin shock in a horse (a case report). 6525

Listeriosis in sheep - observations on an outbreak in Romagna. 6532

Urine pH changes in cattle infected with foot-and-mouthdisease virus. 6535

Observations on the causes of chronic bloating in young cattle. 6537

Polioencephalomalacia: Response to thiamine treatment in sheep and a cow. 6539

Results of hemoglobin determination in piglets in the framework of herd diagnosis of piglet anemia. 6540

Study of the virulence of Contagious Bovine Pleuropneumonia organism (Assam strain) on subcutaneous pathogenicity test. 6542

Disease prevention in the piggery. 6544

Trypanotolerant cattle, Breeding in Central African Republic. 6550

Use of potassium iodide in the treatment of ovarian cysts in cows. 6552

Contribution to the importance of inoculation against hog cholera as a measure for eradication of this infection in Yugoslavia. 6558

Parenteral chemotherapy of ovine foot-rot. 6561

Behavior of equine infectious anemia virus in cell culture and development of a diagnostic test for the disease. 6562

Induction of lung adenomatosis (jaagziekte) in sheep. II. 6564

Roeckl granuloma with an excessively testicular localization. 6571

Susceptibility of scrapie agent to ionizing radiation. 6575

A proposed method of premunizing cattle with minimum inocula of Anaplasma marginale. 6579

Distribution of experimentally induced scrapie lesions in the brain. 6580

The effect of antibiotics on the immunity development to pasteurellosis in swine. 6592

Bovine respiratory disease, diagnosis and control. 6593

The application of ultrasound in the treatment of mastitis in cows. 6598

The treatment of coccidiosis in domestic ruminants with Amprolium . 6603

Some observations of hypomagnesemic tetany in cattle. 6606

Field observations on parenteral antibiotic treatment of ovine foot-rot. 6613

On the mineral content of the Swiss meadow fodder and its relationship to herd sterility. 6616

Brucella ovis infection. 2. The infection status in breeding flocks as measured by examination of rams and the perinatal lamb mortality. 6618

Treatment of anoestrus in dairy cattle. 6624

Experimental studies on bovine mycotic placentitis. 6627

Observations of infectious diarrhea as part of the shipping fever syndrome in feedlot cattle. 6631

Serological examination for evidence of brucellosis and leptospirosis in beef herds in New South Wales. 6633

Immunogenic properties of polyvalent and associated emulsion vaccine against paratyphoid fever and brucellosis of sheep. 6637

Cultural characters and serological relationships of some mycoplasmas isolated from bovine sources. 6641

Investigation on the viruses of the Orphan type occuring in pigs in Poland. III. Pathogenic properties of virus L1. 6645

Histopathological examination of the kidneys of a ram who died of a urethral obstruction due to sedimentosis. 6646

Correlation of four mastitis detection tests with respect to the leucocyte count. 6647

Remarks on the receptivity of new born lambs towards the foot-and-mouth disease virus. 6649

The incidence of clinical babesiosis in cattle in Queensland. 6651

Experimental Pasteurella infection in normal and chloropromazine-premedicated cockerels, subjected to heat stress. 6657

The prophylaxis of so-called milk fever of sows. 6662

Pathology of extranasal lesions in experimental inclusion-body rhinitis of pigs. 6664

Zoonoses in india. 6667

Diagnosis of cow mastitis based on leukocyte count in milk. 6668

Eperythrozoonosis in swine: A review. 6669

Simultaneous prophylactic vaccinations of swine against hog cholera and pasteurellosis. 6673

Diagnosis and spread of the subclinical forms of mastitis in cows. 6676

Abortion in cattle associated with the feeding of poultry litter. 6679

An investigation into bovine anaplasmosis with complement fixation test (CFT). 6685

Ovine anti-brucellosis serology. Vaccine and infectious antibodies. Serums negative to the seroagglutination of Wright and positive to complement deviation. 6689

Metastatic uterine adenocarcinoma in the cow. (A recognizable clinical entity). 6694

Pathogenetic therapeutics in cases of cow mastitis. 6697

Bovine leukaemia. A report of four cases. 6698

Diarrhoea in pigs. 6699

The control of contagious abortion. 6702

Histochemical premises to the study of the adrenal medullary tumors of cattle. 6703

Abortion in sheep and cattle associated with Bacillus spp. 6708

Survey of dairy herds in the Moss Vale district of New South Wales. 1. Disease wastage. 6711

Vaccination of cattle against epizootic bovine abortion. 6715

Foot-and-mouth disease in England. 6721

The isolation of Leptospira sejroe from the kidneys of aborting cattle. 6724

Specific activation of the properdin system in orientation experiments for a therapeutic control of bovine leukosis. 6727

Myxoviruses of animals. 6728

Viral etiology of the bovine lympholeukosis. 6729

Bovine brucellosis and infectious abortion. 6730

Incidence of udder infections arising at various stages of lactation of cows. 6734

Electron microscopic observations of inclusion bodies in swinepox. 6735

Metabolic substances of Staphylococcus aureus of bovine udder origin - a quantitative study. 6739

Contribution to the traumatic splenitis and hepatitis in cattle. 6740

A case of pruriginous rabies in goats. 6742

Influence of a papilloma vaccine on chronic bovine enzootic hematuria. 6757

Histoplasmic (Histoplasma capsulatum) infection in a horse. 6758

Serological investigations into Q-fever in sheep. 6760

The increase of contagious ecthyma in the state of Sao Paulo. 6765

The role of the hypophyseal-suprarenal system in the etiopathogenesis of primary ketosis in cattle. 6767

The increase of the incidence of foot-and-mouth disease in the state of Sao Paulo in 1966. 6768

Trichophytosis prophylaxis by feeding. 6770

Pre-disposing factors in mastitis. III. Genetic influences on udder health. 6778

Rinderpest protection in cattle by measles virus. Application in calves with passive immunity from maternal antibodies. 6779

Identification of a piroplasme found with sufficient frequency in our cattle. 6790

Colostral immunity against salmonella infection in calves. 6794

Interstate transportation of animals and poultry. Brucellosis. Designation of modified certified brucellosis areas, public stockyards, specifically approved stockyards, and slaughtering establishments. Modified certified brucellosis areas. 6798

On antibiotic-antimycotic therapy in cattle mastitis. 6802

Contribution to atrophic rhinitis in pigs. 6803

The influence of streptococci on the genitals and fertility of thoroughbred mares. 6804

Studies on goat-pox virus. I. Host range pathogenicity. 6805

Coli dysentery (colibacillosis) of suckling pigs. 6807

Animal diseases and pests. 6818

Anti-microbial drugs in animal feeds. 6821

An outbreak of male fern (Dryopteris filix-mas) poisoning. 6822

Field observation of a mucosal type of disease at Aarey Milk Colony. 6826

Effect of thiabendazole on ovine posthitis. 6827

The control and treatment of posthitis. 6829

The role of Escherichia coli in gastroenteritis in newly-born calves in the District of Tolbuhin. 6832

Experiences and ideas regarding cattle tuberculosis sanitation in a state practitioners area. 6834

Studies on the epizootiology of rinderpest in blue wildebeest and other game species of northern Tanzania and southern Kenya, 1965-7. 6840

Cystic endometrium in Western Australian cattle. 6841

Experimental studies on bovine tick-borne fever. 1. Clinical and haematological data, some properties of the causative agent, and homologous immunity. 6844

TGE prevention your goal. 6845

Role of calcium in the nutritional etiology of a metabolic disorder in ruminants fed a high grain ration. 6857

Action of bacterial endotoxins on the blood circulation system with consideration of the relations to enterotoxemia (edema disease) of the swine. 6859

Studies on the intraocular inoculation of dogs with various strains of leptospires. 6863

Influence of sulfur on incidence of white muscle disease in lambs. 6865

Polioencephalomalacia: Response to thiamine treatment in sheep and a cow. 6867

Cattle bloat in southern New England, N.S.W. 1961-66. 6874

Hypovitaminosis A and hypomagnesaemia of swine. 6882

Investigations on the viruses of the Orphan type occurring in pigs in Polannd. V. Histopapohological changes in the central nervous system of piglets infected with virus L1. 6885

Worms in pigs. 6916

Investigation of the effect of preparation Bayer 9015-12.50W.G. on adult Fasciola hepatica in sheep. 6922

Measurements of the osmotic pressure in the habitat of Polymorphus minutus (Acanthocephala) in the intestine of domestic ducks. 6930

Histopathology of parafilariasis in mules. 6932

Results and prospects of dehelminthization measures. 6933

The Ukraine on the way of freeing animal husbandry from the main helminthoses. 6936

Helminthoses as allergic diseases. 6941

Comparative susceptibilities of the cat and the domestic pig to the west African strain of Trichinella spiralis. (Owen, 1835). 6947

The introduction of Nematodirus battus (Crofton and Thomas, 1951) into a new environment. 6951

Ridding sheep breeding farms of helminthoses. 6956

Sheep coenurosis control in Uzbekistan. 6970

Cattle paramphistomatidosis in Polesye. 6972

A physico-chemical approach to the serological diagnosis of cysticercosis. 6976

The guilty fox. 6977

Problems of the eradication of the most important helminthoses. 6983

Home produced cyazid is a highly effective anthelminthic against sheep dictyocaulosis. 6985

Complex investigation of the functional state of the liver in the course of experimental flukeworm disease in sheep. 6989

Practice of animal dictyocaulosis and fascioliasis control. 6991

Clinical observations and studies regarding the etiology of enzootically occurring bovine keratoconjunctivitis, with particular consideration of Thelazia. 6992

Metastrongylus salmi Gepoelst, 1923--the pig parasite. 6996

Visceral cysticercosis in bovine animals. 7000

An approach to the treatment of outbreaks of Fascioliasis in sheep. 7001

Report on the working party on liver-fluke in Wales. 7002

The efficiency of copper sulphate, phenothiazine and sodium chloride mixture against sheep helminthoses. 7005

Materials for the investigation of helminthosis pathogenesis. 7007

Observations on the occurrence of Thelazia or eyeworm infection of cattle in Northern New South Wales. 7010

Further experiments on the treatment of Strongyloides infestation of horses with thiabendazole. 7011

Nebraska's specific pathogen-free (SPF) swine program; tenth year report. 7016

Helminthosis liquidation- a reserve of increasing animal production. 7020

The effect of a pretreatment with phenobarbital on the metabolism of DDT in dairy cows and young bulls. 7086

Detection and differentiation of pathogenic Clostridia and their toxins. 7144

Tests with a combination preparation for the treatment of infectious diseases of microbial origin. 7148

Amprolium as a coccidiostat for Angora goats. 7184

Techniques for the systematic control of anthelmintics. gastrointestinal nematodes. Tests with a series of indole-hydrazines. 7194

LIZARDS
Temperature and humidity effects on the oviposition of Hyalomma aegyptium ticks of different engorgement weights. 5637

LOBSTERS
Interaction of DDT with the components of lobster nerve membrane conductance. 7190

LOCOMOTION
Locomotory responses to temperature in the grain weevil, Sitophilus granarius (L.) (Coleoptera: Curculionidae). 5210

On the functional morphology of water striders. I. The morphology of the locomotive apparatus of Gerris lacustris L. (Heteroptera: gerridae). 5279

LOCUSTA MIGRATORIA
The action of iontophoretically applied glutamate on insect muscle fibres. 5222

The action of extracts of parasympathetic organs and corpora cardiaca on diuresis in several insects. 5225

Study of the hemocytes of Locusta migratoria L. (Orthoptera). 5367

Mechanism of the insect ear. 5373

The calcium sensitivity of ATPase activity of myofibrils and actomyosins from insect flight and leg muscles. 5456

Biochemical aspects of juvenile hormone action in the adult Locusta migratoria. 5474

Evolution toward a single phenotype and persistance of the molting glands in Locusta migratoria cinerascens, gregarious phase, under the influence of carbonic gas. Experimental and ultrastructural study. 5498

Sensitivity duration in the photoperiod for the inhibition of maturation of a group of Locusta migratoria migratoria L. (Orthoptera), group Kazalinsk . 5665

Cuticular water pump in insects. 5681

LOCUSTA MIGRATORIA MIGRATORIOIDES
Investigations into the circulatory system of the migratory locust (Locusta migratoria migratorioides tr. et F., Orth.) with special reference to the blood pressure. 5215

The golgi body origin and the development of the vacuolary bodies implied in the degeneration of the molt glands of Locusta migratoria migratorioides (R. and F.). 5254

On the presence of microtubules in the ergastoplasm and the perinuclear space of the oenocytoids of the migratory locust, Locusta migratoria migratorioides (R. and F.). 5256

Biological observations on the desert locust (Schistocerca migratoria migratorioides) in Chad. 5285

Study of the sensory equipment of the distal joint of the palpi in Locusta migratoria migratorioides (F. and R.) larvae. 5436

Some factors that condition feeding in larvae of the migratory locust, Locusta migratoria migratorioides (Orthoptera, Acrididae). I. External factors. 5613

LODGING
Corn lodging. I. Relations between soluble solids, inorganic phosphates and basal stalk and root rots in mature plants. 6066

Alfalfa hopper damages small soybean plants. 6151

Lodging in wheat and its control by (2-chloroethyl) trimethylammonium chloride (CCC) in solid form. 7308

LODGING (WHEAT)
Effects of 2-chloroethyl-trimethylammonium chloride (CCC) on yield and lodging of wheat. 7313

LOLIUM MULTIFLORUM
Studies on the varietal characters of Italian ryegrass. III. Varietal difference in degree of infection by crown rust. 5984

LOLIUM RIGIDUM
Saprophytic survival of Ophiobolus graminis on various hosts. 5889

LOLIUM SUBULATUM
Stubble burning helps control Wimmera rye grass. 6362

LONGEVITY
An octosporeosis of the black blowfly Phormia regina: Effect of temperature on the longevity of diseased adults. 5419

Effects of age, burial, and region on germination and viability of halogeton seed. 5836

LOOSE SMUT
The possibility of estimating loose smut in a seed lot of barley with regard to the increase from one generation to the next. 5934

Field evaluation of a derivative of 1,4-oxathiin for control of cereal smuts. 5986

Experiments on the control of cereal smuts with a derivative of 1,4-oxathiin. 5987

Studies on the natural accumulation of loose smut infection on wheat - Ustilago tritici (Pers.) Jensen. 6020

LOPHODERMIUM
Sarcotrochila alpina and Lophodermium laricinum causing larch needle blight in North America. 6141

LOXOSCELES RECLUSA
Effect of floxosceles reclusa Gertsch and Mulaik venom against hemocytes of Acheta domesticus (Linnaeus). 7191

LUCANIDAE
Notes on some new or little known Lucanidae Coleoptera. 5091

LUCIFERINS
The decarboxylation of luciferin in firefly bioluminescence. 5531

LUMBER PRESERVATIVES
Notes on pesticides and weedicides. 5823

LUMINESCENCE
The decarboxylation of luciferin in firefly bioluminescence. 5531

Preliminary investigations on the phenomenon of photoluminescense of seeds of soybean. 5816

Effect of drugs on luminescence in larval fireflies. 7150

LUNGS
Viral lung diseases of the cat. 6546

LUPINE
Fusariosis of the legume crops in Lithuania. 3. Main forms of lupine fusariosis and its distribution. 6065

Observations on crooked calf disease. 6814

Lupine, a cause of crooked calf disease. 6815

LYCAENIDAE
A new genus of European butterflies (Lep. Lycaenidae). 5063

The synonymy in Citrinophila Kirby and further notes on Epitola Westwood and Alaena Boisduval (Lepidoptera: Lycaenidae). 5075

A new species of Poecilmitis Butler (R-hopalocera) from the South Western Cape. 5120

A seasonal form of Baliochila singularis Stempffer and Bennett from Southern Rhodesia (Lepidoptera: Lycaenidae). 5220

Notes on larval host acceptance in a California population of Plebejus acmon (Lycaenidae). 5331

Foodplants of Callophrys (Incisalia) iroides. 5536

LYCOSA PSEUDOANNULATA
The ingestion in wolf spiders. I. Capacity of gut of Lycosa pseudoannulata. 5493

LYGAEIDAE
The identity of Naphius seed bug pests in Africa (Hemiptera: Lygaeidae). 5143
A contribution to the systematics of Oriental and Australian Blissinae (Hemiptera: Lygaeidae). 5144
Reduction of flight organs in some cryptobrachypterous Lygaeidae (Hem., Het., Lygaeidae). 5398
On the multiple sex-chromosome mechanism in Trapezonotus arenarius L. (Heteroptera, Lygaeidae). 5724
Insect pests of barley and their control. 6231

LYGOCORIS PABULINUS
Capsid bugs on fruit. 6225

LYGUS
On the significance of the Lygus species as a plant pest. 6154

LYMPH NODES
Viral etiology of the bovine lympholeukosis. 6729

LYMPHOCYTES
Hematological effects of apholate on channel catfish (Ictalurus punctatus). 7156

LYOPHILIZATION
A tetrazolium reduction test to evaluate the viability of strain 19 vaccines. 6831

LYPE
The immature stages of Lype diversa (Banks) (Trichoptera, psychomyiidae). 5032

LYSANDRA CORIDON
Breeding Lysandra coridon ab. syngrapha. 5445

LYSINE
Study of the synthesis of lysopine by tissue extracts of crown-gall in vitro. 5993
A study of the synthesis of lysopine from lysine by crown-gall tissues. 5994

LYSIS
Morphological transformations and lysis of Halobacterium salinarium by 4-(2,4-dichlorophenoxy)butyric acid and related compounds. 6377
Enzootic abortion and sterility from bovine leptospirosis in the Po valley. 6488
Cytolytic plasma factor in experimental coccidioidomycosis. 6688

LYTTA VESICATORIA
The breeding of Lytta vesicatoria in the laboratory and demonstration of cantharidin synthesis in larvae. 5468
On the biosynthesis of cantharidins. I. 5594

MACHIMUS
Diptera larvae in soil treated with organic and mineral fertilizers. (I). Family Asilidae-Diptera-Brachycera. 5541

MACROCHELES
Notes on macrochelids associated with manure and coprid beetles in Israel. II. Three new species of the Macrocheles pisentii complex, with notes on their biology. 5013

MACROPHOMINA PHASEOLI
Corn lodging. I. Relations between soluble solids, inorganic phosphates and basal stalk and root rots in mature plants. 6066

MACROPSIS TRIMACULATA
Controlling peach yellows in a peach breeding program. 6232

MAGGOTS
Home fruit spray guide. 5959
Development of resistance to DDT by the apple maggot, Rhagoletis pomonella. 6214

MAGNESIUM
Phosphorus, potassium, calcium and magnesium requirements of Maryland tobacco grown on Monmouth soil. 5880
Magnesium requirement of the laying hen for reproduction. 6607
Histopathological examination of the kidneys of a ram who died of a urethral obstruction due to sedimentosis. 6646
Effect of a soluble fraction of oil seed meals on uptake of 65Zn from ca.mg.65Zn.phytate complexes by the chick'. 6690
The effect of magnesium on the growth of lucerne, grown on grey forest soils. 7228
Influence of magnesium and zinc fertilizing on the yield, quality as well as health of hops. 7266

MAGNESIUM CHLORIDE
Cross interaction between different components of two strains of alfalfa mosaic virus. 6004

MAGNETS
Lack of effect of constant magnetic fields on Drosophila egg hatching time. 5630
Magnetic probes in prophylaxis and therapy of traumatic reticuloperitonitis in cattle. 6514

MAINTENANCE
Operation and maintenance of power sprayers. 7388

MALACOSOMA NEUSTRIA
Intraspecies competition in a field population of Gregopimpla himalayensis (Hymenoptera: Ichneumonidae) parasitic on Malacosoma neustria testacea (Lepidoptera: Lasiocampidae). 5600

MALAGASY REPUBLIC
New Tetranychidae of Madagascar. 5054
A study of natural pastures in Madagascar. Productivity and pratical applications. 6427

MALARIA
Notes on the mosquitoes of the Islamic Republic of Mauritania. (Dipt. Culicidae). (2). 5351
Recent advances in the physiology and biochemistry of Plasmodia. 5526
Falciparum malaria transmissible from monkey to man by mosquito bite. 5751
Malaria and victory in Vietnam. 5763
Plasmodium brasilianum in Columbian monkeys. 6704

MALARIA CONTROL
Plasmodium brasilianum in Columbian monkeys. 6704

MALATHION
Ants in the home and garden; how to control them. 5184
How to control bed bugs. 5185
Cotton pests control by ultra low volume spraying from the air. 5228
Effects of reroductive-diapause boll weevil (Heliothis zea Boddie) insecticidal control programs on the abundance of bollworms and tobacco budworms (Heliothis virescens F.) in cotton in the rolling plains of Texas, 1967. 5236
Control of grasshoppers (Phaulacridium vittatum) by ultra-low volume aerial application of technical maldison. 5253
Spraying in mustard is a must. 5258
Biology and control of leopard moth on pear trees in the United Arab Republic. 5294
Temperature effects on the toxicity of five insecticides against five species of stored-product insects. 5384
Insects and related pests of house plants; how to control them. 5395
Effect of aerial spraying for the control of green rice leafhopper in autumn. Transl. 17058. 5425
Trial of carbophos on larvae of Aedes and Culex mosquitoes. 5504
Insecticidal and acaricidal effect of some binary mixtures. 5627
Relative susceptibility of stored-product insects to insecticides. 5631
Lace bugs. 5661
Bagworm. 5662
Unique problems in insect and pest control of NASA's Mississippi Test Facility. 5755
Control of anopheline species in the Canal Zone with ultra-low volume sprays of malathion and fenthion. 5759
Ultra low volume spraying of cotton. 5822
Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen. 6150
Control of some pests of evergreens. 6162
San Jose scale (Quadraspidiotus perniciosus). 6199
Yield reduction of oats caused by the cereal leaf beetle. 6222
Effect of some pesticides on the adrenal glands in the rat. 6424
Growth and respiration of monolayer cell cultures of chick embryo heart and skeletal muscle: Action of malathion and malaoxon. 6871
Fumigate stored rice to reduce loss to insects. 7030
Laboratory tests of five new insecticides as protectants for stored rough rice. (abstract). 7031
Persistent pesticides. 7083
High praise for low volume insecticide spraying. 7136
Juice quality of grapefruit following June versus September applications of a 412 paraffinic petroleum oil with data on control of certain pests. 7238
Nuclear magnetic resonance studies of phosphorus(V) pesticides- III, the hydrolysis of aliphatic pesticides by aqueous solutions. 7347

MALEIC HYDRAZIDE
Chemical growth inhibition in turf. 6349

Cytogenic activity of the herbicides-simazine and maleic acid hydrazide.
7302

MALIGNANT CATARRH
Bovine respiratory disease, diagnosis and control.
6593

MALLOPHAGA
Parasite phylogeny problems of the Mallophaga of Passeriformes and Piciformes.
5693

MALONIC ACID
Anthracnose in beans:Determination and variations in the malonic acid content in the different parts of healthy and parasitized plants.
5886

MALUS
Nursery stock, plants, and seeds. Foreign nurseries certified as producing specified disease-free material.
5803

MAMESTRA BRASSICAE
Conditions for the massive multiplication of the intestinal cytoplasmic virus of Mamestra brassicae L. (Lepidoptera).
5426

Alteration of some properties of Bacillus thuringiensis by means of passages through the insects and cultivation on nutrient media.
5605

MAMMALS
Wild mammals and fleas of Red Bluff Ranch, New Mexico.
5767

Design and analysis of forest-mammal repellent tests.
6404

Do small mammals and birds affect reproduction of spruce and fir .
6406

Suitable blood sources permitting reacquisition of infectivity by culture-form Trypanosoma (Trypanozoon) brucei.
6461

More abstracts of papers presented at the 1967 Annual Wildlife Disease Conference Urbana, Illinois June 15-16, 1967.
6533

On the toxicology of Pyrethrum to warm blooded animals.
7384

MANAGEMENT
The management of cases of suspected poisoning.
7173

MANDARIN ORANGES
A systemic fungicide effective against sour orange scab disease.
5957

MANDIBULAR GLANDS
Actinomycosis of mandible gingivae.
6494

MANDUCA SEXTA
Desmosterol as a common intermediate in the conversion of a number of C28 and C29 plant sterols to cholesterol by the tobacco hornworm.
6835

MANEB
Fungistatic and fungicidal effects of certain organic products on some fungi causing diseases in vegetables.
5899

Potato early blight and storage rot.
5911

Dogwood diseases.
5944

Field biology and control of Phytophthora parasitica on papaya (Carica papaya) in Hawaii.
5967

MANEB (ZINC ION)
Potato early blight and storage rot.
5911

Investigations on chemical control of zebra disease in Agave hybrid no. 11648.
6036

MANGANESE
Copper and manganese content in different varieties of spring and winter wheat.
5783

Relationship of iron, manganese, and bicarbonate to chlorosis of rice grown in calcareous soil.
6039

Recent trends in disease control in coffee.
6099

Identifying manganese deficiency in avocado trees.
6124

The significance of the manganese content in the hair of cattle.
6492

Manganese toxicity of legumes seeded in Kentucky strip-mine spoils.
7145

MANGANESE SULFATE
Identifying manganese deficiency in avocado trees.
6124

MANGE
Getting rid of camel mange.
6897

New mangemites of endemic insectivores. (Psorergatidae: Trombidiformes).
6898

MANGOES
Controlling stem-end rot of ripe mango.
6035

Damage caused by adults of Lepidoptera Noctuidae in mango fruits in 1964.
6145

MANSONIA
Pelecitus ceylonensis n. sp. from the chick and ash-dove experimentally infected with larvae from Mansonia crassipes, and from naturally-infected crows in Ceylon.
6938

MANUFACTURING COSTS
Animal health business thrives.
6499

MANURES
Manures and fertilizers.
5853

Abortion in cattle associated with the feeding of poultry litter.
6679

MARASMIUS PERNICIOSUS
Auxin destruction by Marasmius perniciosus.
5985

MARGARINOMYCES
Butt rot in yellow-poplar seedling-sprout stands.
5947

MARGARODIDAE
Bionomics of Drosicha mangiferae (Green) on citrus including new record of its three natural enemies.
6246

MARINE BIOLOGY
The arthropod fauna of Sambhar Salt Lake, Rajasthan, india.
5203

Estimation of marine-borer attack on wooden surfaces.
7046

Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary.
7113

MARINE BORERS
Estimation of marine-borer attack on wooden surfaces.
7046

MARKOV CHAINS
Meiosis. III: The elastica, and Markov processes as model for non-random segregation from associated non-homologues in Drosophila.
5703

MARRUBIUM
Proclaimed noxious weeds.
6313

MARSHES
Salt marsh mosquito control in relation to beef cattle production: A preliminary report.
6904

MASTITIS
S.N.F. content of milk.
6446

The effect of mastitis on the freezing-point of cows' milk. king, j o l.
6451

The route to control of mastitis.
6465

Effective attack on mastitis...at last.
6466

The application of ultrasound in the treatment of mastitis in cows.
6598

Correlation of four mastitis detection tests with respect to the leucocyte count.
6647

Diagnosis of cow mastitis based on leukocyte count in milk.
6668

Gangrenous mastitis in ewes. II. Characteristics of the staphylococci, isolated from healthy ewes and from ewes affected with gangrenous mastitis.
6675

Diagnosis and spread of the subclinical forms of mastitis in cows.
6676

Pathogenetic therapeutics in cases of cow mastitis.
6697

Pre-disposing factors in mastitis. III. Genetic influences on udder health.
6778

On antibiotic-antimycotic therapy in cattle mastitis.
6802

Increase in resistance to antibiotics in mastitis agents.
7213

MATHEMATICAL ANALYSIS
The oxygen binding properties of some larval hemoglobins of Chironomus th. thummi.
5606

Meiosis. III: The elastica, and Markov processes as model for non-random segregation from associated non-homologues in Drosophila.
5703

MATING
Seminal loss in repeatedly mated female Aedes aegypti.
5621

MATRICARIA INODORA
Matricaria and lambsquarter control in Brassicas with analogs of propachlor.
6368

MEASLES VACCINE
The use of measles vaccines in the immunization of the dog.
6453

MEASLES VIRUS
Rinderpest protection in cattle by measles virus. Application in calves with passive immunity from maternal antibodies.
6779

Resistance against canine distemper induced by measles virus. I. Measles vaccination in the presence of distemper antibodies.
6782

MEASUREMENT
Investigation of sheep dips. 3. The influence of breed on stripping and deposition in the fleece of diazinon.
7124

MEAT
Curvularin-containing animal feed for promoting growth and increasing feed efficiency. Patent 3,436,223.
6447

The isolation of salmonellas from animal feedingstuffs.
7059

On the biochemical activity of microorganisms in the process of meat degradation.
7060

Production of enterotoxin-B in cured meats. genigeorgis, c.
7063

Toxicology of plant protection preparations. Tolerance limits for toxic residues.
7127

Contribution to the study of antibiotic substances in meats.
7141

MEAT INSPECTION
Clinical and laboratory notes on parathion poisoning in fowl, screening availabilities in meat and various tests.
7196

MECHANIZATION
Sorghum - specialist advice.
5793

Isotopes in agriculture.
6440

MECHANORECEPTORS
Unit-hair receptor activity from the telson of the scorpion, Heterometrus fulvipes.
5201

Study of the sensory equipment of the distal joint of the palpi in Locusta migratoria migratorioides (F. and R.) larvae.
5436

A tactile seta of the Two-spotted Spider Mite, Tetranychus urticae K. (Acarina: Tetranychidae).
5460

MEDICAL ENTOMOLOGY
A carbon dioxide bait trap for collecting ticks and fleas from animal burrows.
4972

A temperature-controlled feeding apparatus for hematophagous arthropods.
4975

Ixodes walkerae, n. sp. from a bird in Kenya. (Acarina: Ixodidae).
5012

Ixodes (Lepidixodes) kopsteini Oudemans, 1925, valid name for I. (L.) paradoxus Kohls and Clifford, 1961, with notes on distribution and hosts (Acarina: Ixodidae).
5083

A new species and new records of Mackiena (Acarina, Trombiculidae).
5111

A review of the genus Dicteisia Bedford (Mallophaga: Menoponidae) with description of a new species.
5127

Evansipsylla thysanota, a new genus, new species of flea from Nepal (Siphonaptera: Hystrichopsyllidae).
5156

Argas (Argas) Japonicus, new species, associated with swallows in Japan and Korea (Ixodoidea, Argasidae).
5174

A comparative electrophoresis study of the Triatoma rubida Complex (Hemiptera: Reduviidae: Triatominae).
5181

Hughes virus from Trinidadian ticks and terns.
5188

The biology of the conenose bug parasite, Pimeliaphilus plumifer Newell and Ryckman (Acarina: Pterygosomidae) (Hemiptera: Reduviidae).
5191

Ecological observations on three species of Pimeliaphilus parasites of triatominae in the United States (Acarina: Pterygosomidae) (Hemiptera: Reduviidae).
5192

Structure and development of vesicles in larval tissue culture of Aedes aegypti (L.).
5227

Results of consecutive matings of female Anopheles gambiae species B with fertile and sterile males.
5242

Mechanical transmission of Trypanosoma lewisi (Kinetoplastida: Trypanosomidae) by Rhodnius prolixus (Hemiptera: Reduviidae).
5261

Chemosterilization of screw-worm flies, Cochliomyia hominivorax (Coquerel) (Diptera: Calliphoridae): Influence of age at treatment and mating, effect on survival, and transfer of chemosterilant by contamination.
5275

Chemosterilant-induced increase in mating ability of male screw-worm flies (Diptera: Calliphoridae).
5276

Features of microclimatic regimen of habitats of sandflies in a village of Karshinsky Oasis.
5329

Host preferences and discrimination by the mosquitoes Aedes aegypti and Culex tarsalis (Diptera: Culicidae).
5461

A bipolar differentiated gynandromorph of Culex tarsalis Coquillett, from Texas.
5476

A technique for rearing trombiculid mites (Acarina) developed in a tropical laboratory.
5489

Accessory glands of female Culex pipiens quinquefasciatus Say and autogenous Culex pipiens pipiens L. (Diptera, Culicidae): Appearance and behavior in relation to oogenesis.
5567

Vapona for the control of museum pests.
5576

Mosquito collections in a high rainfall area of North Queensland, 1963-1964.
5626

Temperature and humidity effects on the oviposition of Hyalomma aegyptium ticks of different engorgement weights.
5637

The occurrence of Argas japonicus and Ixodes lividus in Nagano Prefectur, Japan (Ixodoidea: Argasidae; Ixodidae).
5652

Aggressiveness of different species of sandflies towards man and their infection rate with L. tropica major at the moment of blood-sucking.
5694

Karyotypes of some Asian mosquitoes of the subfamily Culicinae (Diptera: Culicidae).
5696

The salivary chromosomes of Anopheles stephensi stephensi.
5737

A possible role of blood-sucking mosquitoes in spread of arbovirus infection in the area of the Zaisan Lake.
5747

A technique for feeding larval trombiculid mites on laboratory mice.
5748

Records of eye-frequenting Lepidoptera from man.
5749

Survival of western equine encephalitis virus in Triatominae.
5761

Species of Borrelia from a Columbian bat. (Natalus tumidirostris).
5762

Identification of the host range of Culex tritaeniorhynchus mosquitoes on Okinawa, Ryukyu Islands.
5765

Immunologic structure of the population in a foothill Taiga focus of tick-borne encephalitis in the Zone of Construction of the Krasnoyarskaya Hydropower Station after realization of tick control measures.
5766

Wild mammals and fleas of Red Bluff Ranch, New Mexico.
5767

Canine filariasis on Okinawa, Ryukyu Islands.
6988

MEGACHILE ROTUNDATA
Susceptibility of an alfalfa leafcutting bee to residues of insecticides on foliage.
5668

MEIOSIS
Karyological studies on the Indian spiders. VIII. Mitosis and meiosis in two species belonging to the family Gnaphosidae.
5478

Oogenesis in the parthenogenetic stick insect Sipyloidea sipylus Westwood (Orthoptera, Phasmidae).
5529

Centromere nature of the chromosomes of Ranatra (Heteroptera).
5701

Meiosis. III: The elastica, and Markov processes as model for non-random segregation from associated non-homologues in Drosophila.
5703

The chromosomes of the caddis-fly, Glyphotaelius pellucidus (Retzius, 1783) (Trichoptera: Limnephilidae, Limnephilinae).
5714

MELAMPSORA LINI
Saprophytic development of the flax rust Melampsora lini, race No. 3.
6115

MELAMPSORA MEDUSAE
A microbiological control of Melampsora medusae.
6011

MELOIDAE
The breeding of Lytta vesicatoria in the laboratory and demonstration of cantharidin synthesis in larvae.
5468

Temperature and termination of diapause in Epicauta gorhami Marseul (Coleoptera, Meloidae), with particular reference to the mechanism of contemporaneous emergence.
5491

On the biosynthesis of cantharidins. I.
5594

MELOIDOGYNE
'miracle' tree is in trouble.
6301

A nematode survey of tobacco soils in Rhodesia and Zambia, and the effects of grass-tobacco rotations on nematode populations.
6303

MELOIDOGYNE ARENARIA
Peanut pod invasion by fungi in the presence of lesion nematodes in Georgia.
5974

MELOIDOGYNE HAPLA
Cuticle ultrastructure of the Meloidogyne hapla larva.
6292

MELOIDOGYNE INCOGNITA
Cotton and plant parasitic nematodes.
6298

MELOIDOGYNE INCOGNITA ACRITA
Enzyme studies in nematode infected root-knots of the tomato plant.
7257

MELOIDOGYNE JAVANICA
Control of eelworm diseases of bananas in Western Australia.
6291

Cotton and plant parasitic nematodes.
6298

MELOLONTHA MELOLONTHA
The possibilities of the microbiological control of Melolontha melolontha L. by means of the mycosis caused by Beauveria tenella (Delacr.) Siemaszko.
5304

Experiments with an artificial spermatophore in cockchafer (Melolontha melolontha L.).
5431

Morphology and chemistry of the parasporal body of Bacillus fribourgensis. 5450

MELONS
Methods for protecting melons from cucumber mosaic virus. The benefit of covering the soil with plastic reflecting films. 6015
Susceptibility of watermelon cultivars to watermelon mosaic virus-2. 6091
Sensitivity of stored melon fruit fungi to gamma irradiation. 7025

MELOPHAGUS OVINUS
1969, controlling insects on sheep and goats. 6905

MELTING POINTS
The effect of mastitis on the freezing-point of cows' milk. king, j o l. 6451

MELYRIDAE
Coleoptera: Cantharidae, Malachiidae and Dasytidae from New Caledonia, New Hebrides and Fiji in Bishop Museum, Honolulu. 5170

MEMBRACIDAE
A new Leptocentrus (Homoptera: Membracidae) from the Congo. 5009

MENAZON
Spraying in mustard is a must. 5258

MENINGITIS
Central-nervous-system lesions of spontaneous Pasteurella anatipestifer infection in ducklings. 6654

MENINGO-ENCEPHALITIS
Aspergillus flavus meningo-encephalitis in chickens and geese. 6476

MENOPONIDAE
Dennyus aequatorialis n. sp. (Mallophaga: Menoponidae) from the mottled swift, Apus aequatorialis. 5090
A review of the genus Dicteisia Bedford (Mallophaga: Menoponidae) with description of a new species. 5127

MENTHA PIPERITA
Utility value of different cultivated Mentha piperita varieties. 5788

MERCURY
Electron microscopy study of the localization of antigens in a virulent and an avirulent strain of Francisella tularensis, using mercury-labelled antibodies. 6719

MERCURY CHLORIDE
Studies on stored grain fungi. Part I.--Fungi from wheat and rice from Karachi. 7026

MERCURY COMPOUNDS
Barley diseases in Western Australia. 6078
Symptoms of intoxications by poisonous pesticides. (JPRS 46216) 7143
Organotin or mercury (carboxy hydrocarbylene amides). Patent 3,446,827. 7371

METABOLISM
D-Amino acids in animals. 5271
Gas-liquid chromatography analysis of DDT metabolism in Aedes aegypti. 5370
The relations between transpiration, humidity reaction, thirst and water content in the shorebug Saldula saltatoria L. (Heteroptera: Saldidae). 5443
Lindane: Metabolism to a new isomer of pentachlorocyclohexene. (abstract). 5551
On the biosynthesis of cantharidins. I. 5594
Metabolism of organophosphorus insecticides. IX. Distribution, excretion and metabolism of dimethoate Prodenia lituria. (abstract). 5690
2,4-D metabolism. Enzymatic hydroxylation of chlorinated phenols. 5784
2,4-D metabolism; enzymatic degradation of chlorocatechols. 5785
Glucose-dependent secretion and destruction of hydrogen peroxide by Mycoplasma pneumoniae. 6526
Urine pH changes in cattle infected with foot-and-mouthdisease virus. 6535
Comparative studies on blood-stream and culture forms of Trypanosoma lewisi--I. Oxygen utilization, carbon dioxide production and glucose uptake. 6625
The comparative metabolism of ethylene dimethanesulphonate and ethylene dibromide. 6652
Influence of various strains of the Aujeszky virus on the metabolism of cells cultured in vitro. 6658
Catabolite repression in Escherichia coli. A study of tow hypotheses. 6732
Metabolic substances of Staphylococcus aureus of bovine udder origin - a quantitative study. 6739
Biochemistry of aflatoxins. 6846
Role of calcium in the nutritional etiology of a metabolic disorder in ruminants fed a high grain ration. 6857
The biochemical mechanism of action of the anthelmintic drug tetramisole. 6918
The determination of enterokinase activity in the duck intestine during experimental echinostomatosis. 6927
Ancylostoma caninum: Food reserves and changes in composition with age in third stage larvae. 6928
Metabolic fate of histidine in the parasitic worm Fasciola hepatica L.. 6965
The glyoxylate cycle, fructose-1,6-diphosphatase and glyconeogenesis in Fasciola hepatica. 6993
Volatile fatty acids excreted by Fasciola hepatica, L.. 7006
Cytochrome c oxidase in migrating larvae of Ascaris lumbricoides var. suum. 7014
The effect of a pretreatment with phenobarbital on the metabolism of DDT in dairy cows and young bulls. 7086
Toxicity of pesticides to man: Risks from present levels. 7107
DDT and related chlorinated hydrocarbons: Their metabolism in the chick and their induction of microsomal ensymes. 7142
Degradation and activation of parathion analogs by microsomal enzymes. 7189
Metabolism of DDT by rumen microorganisms in vitro. (Abstract). 7345

METABOLISM DISEASES
Pig diseases. 6489

METABOLITES
Metabolism of organophosphorus insecticides. IX. Distribution, excretion and metabolism of dimethoate Prodenia lituria. (abstract). 5690
Relation between DDT in diets of laying birds and viability of their eggs. 6431
DDT residues absorbed from organic detritus by fiddler crabs. 7125
DDT residues absorbed from organic detritus by fiddler crabs. 7126
Conversion of DDT to DDD by pathogenic and saprophytic bacteria associated with plants. 7254
Conversion of 4-(2,4-dichlorophenoxy) butyric acid to homologs by alfalfa; mechanism of resistance to this herbicide. 7264
The differential interaction of aflatoxins B1,G1 and G2 with deoxyribonucleic acids from different sources. 7291
Degradation of the insecticide GS 13005 in the rat. Elucidation of the structure of the most important metabolites. 7341
3-hydroxy-6,7-dimethoxydifuroxanthone - a new metabolite from Aspergillus flavus. 7383

METACERCARIA
A damsel-fly as the second intermediate host of a pleurogenetine trematode. 5488

METALDEHYDE
A laboratory method for assessing the toxicity of stomach poisons to slugs. 6407
Snails and slugs in Central California. 6413

METAMASIUS
A revision of the Nedtropical genus Metamasius (Coleoptera, Curculionidae, Rhynchophorinae). 5162

METAMORPHOSIS
A brief note on entomology. 4977
The cheliceral flagellum of pseudoscorpions. 5231
Studies on the sex ratio of the gypsy moth. 5248
Bracken and locust ecdysones: Their effect on molting in the desert locust. 5251
The physiology of mosquitoes. 5266
Life history notes on Lithophane subtilis (Noctuidae). 5270
The development of fat bodies in the larvae of Calliphora erythrocephala Meig,. 5277
Biology and control of leopard moth on pear trees in the United Arab Republic. 5294
Life history of Heliolonche carolus (Noctuidae). 5354
Uptake of atmospheric water by the hen flea Ceratophyllus gallinae (Schrank). 5377
Changes in the hemocyte picture of Galleria mellonella (Linnaeus). 5396
Spermatocysts in Aedes aegypti (Linnaeus). 5397
Cytodifferentiation during insect metamorphosis: The galea of silkmoths. 5399

Biochemical correlates of respiratory and developmental changes in anoxic Tribolium confusum pupae. 5408

Effect of ligaturing on puparium formation in the larva of the tsetse fly, Glossina morsitans Westwood. 5432

The breeding of Lytta vesicatoria in the laboratory and demonstration of cantharidin synthesis in larvae. 5468

Production of dauer pupae in Bombyx mori L. 5482

A note on the metamorphosis of the mid-gut epithelium in Callosobruchus maculatus (F.) (Bruchidae: Coleoptera). 5513

Development of virus antigen in tissues of Pieris brassicae inoculated with Tipula iridescent virus. 5534

Synoptic tables of larvae and imagos of the species of the family Chrysotribax Reitter. (Col. Carabidae). 5548

Postembryonic development of the brain of Musca domestica. 5585

Visual centers during postembryonic life of Callosobruchus maculatus (F.). 5588

Changes in the content of fixed amino acids in tissues of silk worm during development. 5592

Immature stages of Elasmotropis testacea (H. - S.) and notes on the bionomics of the species (Heteroptera, Tingidae). 5632

Sensitivity duration in the photoperiod for the inhibition of maturation of a group of Locusta migratoria migratoria L. (Orthoptera), group Kazalinsk . 5665

Development course of northern cattle grub, Hypoderma bovis, male reproductive cells. 5666

Timing insecticide applications for European corn borer control in Southwestern Quebec, 1967. 6194

METARRHIZIUM ANISOPLIAE

Some effects of Metarrhizium anisopliae and its toxins on mosquito larvae. 5564

Research on the disease due to Metarrhizium anisopliae, in the migratory locust. 5664

METASTASIS

Metastatic uterine adenocarcinoma in the cow. (A recognizable clinical entity). 6694

Notes on the spontaneous pathology of the dog in the laboratory. 1st note: Leiomyosarcoma of the mesentery in a female dog. 6851

METASTRONGYLUS SALMI

Metastrongylus salmi Gepoelst, 1923--the pig parasite. 6996

METEOROLOGY

Meteorological aspects of insect migrations. 5379

METEPA

Effect of certain alkylating and non-alkylating chemosterilants on Culex fatigans Weid. 5342

Studies on control of house flies in Egypt by chemosterilants. I. Laboratory studies on Musca domestica vicina. 5346

METHIONINE

Effect on aphid feeding of dietary methionine. 5479

Biosynthesis of furanocoumarins in diseased celery. 5929

Influence of sulfur on incidence of white muscle disease in lambs. 6865

METHODOLOGY

A simplified method of freeze-drying caterpillars. 4969

A sound-activated method for recording insect activity. 4970

Applying insecticides to cotton crops. 4971

The phenetic relationships of the butterflies. I. Adult taxonomy and the nonspecificity hypothesis. 5026

A technique for sampling populations of the jack-pine budworm. 5033

Field test of lindane against overwintering broods of the western pine beetle. 5094

Some new analytic and graphic approaches to numerical taxonomy, with an example from the Dermanyssidae (Acari). 5106

The standardization of products based on Bacillus thuringiensis. 5245

Modifications of the Bodian technique applied to insect nerves. 5263

Serological identification. 5280

A note on the feeding mechanism of two fleas. 5283

The in vitro pathogenesis of insect viroses. 5307

Procedures and materials perfected for the rearing and collection of homopterans (Aphididae and Jassidae) during virus transmission studies. 5313

A simple method for counting leaf-hopper eggs inserted in plant issue. 5319

Field studies of an attractant in the male boll weevil. 5338

Electron microscopy for the diagnosis of insect diseases. 5374

Possibilities of mass-producing insect pathogens. 5381

Grasshopper control, 1969. 5411

Morphology and chemistry of the parasporal body of Bacillus fribourgensis. 5450

A bioassay to characterize strains and preparations of Bacillus thuringiensis Berliner. 5451

The 24-inch branch as a sample unit for egg mass surveys of the western budworm. 5463

Exudates of germinating spores of Bacillus thuringiensis. 5502

The mass production of Beauveria bassiana. 5538

Two methods of operating a vacuum sampler to sample populations of the cotton fleahopper on wild hosts. 5559

The use of radioactivity for the assessment of dose in bioassays involving bacterial insect pathogens. 5566

An instrument to hold rabbits for blood sucking Simuliid experiments. 5574

Utilization of Bacillus thuringiensis in the control of Porthetria dispar in Spain. 5575

Collecting method and preliminary analysis of the soluble salivary secretions of the planthoppers. 5618

Use of bioassay in plant protection. 5677

An improved method for the collection of large numbers of inseminated eggs of Drosophila melanogaster. 5684

Observations on the use of a preparation of Bacillus thuringiensis var. thuringiensis Berliner, for the control of the olive moth (Prays oleae Bern.). 5686

Copper and manganese content in different varieties of spring and winter wheat. 5783

The clearing of underbrush and the destruction of undesireable vegetation in the forest. Inventory of materials and techniques. 5800

Purification of potato virus X and preparation of infectious ribonucleic acid by degradation with lithium chloride. 5930

The possibility of estimating loose smut in a seed lot of barley with regard to the increase from one generation to the next. 5934

A D serotype of satellite virus specifically associated with a D serotype of tobacco necrosis virus. 5949

Fungicides for gladiolus corms. 6002

Mycological techniques in plant pathology. 6044

A rapid colorimetric method for the determination of tobacco mosaic virus concentration in plant saps. 6119

Guide lines for the testing of materials on carrot flies on carrots. 6169

Guide lines for the testing of materials San-Jose scale insect (SJS). 6241

Concerning the problem of controlling the occurence, as well as estimating the degree of infestation of tree stands by Ips typographus L. 6263

Chemical soil treatment for nematode control in tobacco. 6307

Herbicidal N,N-dialkenyl-3-chlorobenzamides and method. Patent 3,436,208. 6356

Effect of range treatment with 2,4-D on rodent population. 6408

Artificial insemination of livestock in the South Pacific. 6434

Methods of controlling protozoa infections with N-substituted 1,4-diamino 2,3-anthraquinonedicarboximides. Patent 3,436,460. 6495

Recent techniques for serodiagnosis of human and animal hydatidosis. IV. Test with sensitized particals of Latex. 6513

Application of the agar gel technique in the diagnosis of infectious bovine rhinotracheitis. 6567

Note on the evaluation of the efficacy of rodenticides. 7044

Bioassay of captan by zebrafish larvae. 7082

Pesticide residues; history, alternatives and analysis.
7138

Table of human infections. In: Diseases of man acquired from his pets.
7146

A method for studying motor reactions of ascarids.
7153

Central neurotoxic effects of the venoms of Naja naja and Vipera palestinae.
7179

Effects of organic arsenical herbicides on cotton response and chemical residues.
7222

An injection method for treating Hemerocallis spikes with colchicine.
7229

Fungal polysaccharide composition and method for making same. Patent 3,436,311.
7244

Testing of fungicides as to their effectiveness against Botrytis cinerea with the aid of a grape juice test.
7320

Separation and quantitative analysis of the active ingredient dimethoate and of its changed components contained in emulsions and wettable powders.
7325

Organophosphorus pesticides. A gas chromatographic screening technique based on the detection of methylated hydrolysis products.
7326

A comparison of new techniques for the detection and determination of triazine herbicides separated by thin-layer chromatography. III. Fluorescence quenching.
7343

Method for deodorizing O,O-dialkyl S-(alkylthio)alkyl phosphorodithioates. Patent 3,439,071.
7357

Degradation of gamma-BHC in simulated lake impoundments as affected by aeration.
7362

Estimation of DDT in factory waste.
7372

Aspects of the industrial production of microbial insect control agents.
7404

Pesticide chemicals; a programmed text. TP248.P47C6.
7419

METHOXYCHLOR
Temperature effects on the toxicity of five insecticides against five species of stored-product insects.
5384

Fumigate stored rice to reduce loss to insects.
7030

METHYL DEMETON
Effect and compatibility of nutrient sprays with insecticides and fungicides for groundnut (A. hypogea).
6063

METHYL N-((METHYLCARBAMOYL)OXY)THIOACETIMIDATE, S
Some observations on tobacco yellow dwarf control.
6033

METHYL PARATHION
Control of pasture Aedes mosquitoes by dripping larvicides into flowing water, with notes on residues in a pasture habitat.
5486

Response of the striped lynx spider, Oxyopes salticus, to two commonly used pesticides.
5550

The permeability of protective clothing and packing materials in regard to insecticidal phosphoric acid derivatives.
7339

METHYL-2-(METHYLTHIO)PROPIONALDEHYDE O-(METHYLCARBAMOYL)
Systemic activity of UC-21149 against the citrus red mite, citrus thrips, California red scale, and spirea aphids on nonbearing orange trees.
6265

METHYL-2-(METHYLTHIO)PROPIONALDEHYDE O-(METHYLCARBAMOYL)OXI
Some observations on tobacco yellow dwarf control.
6033

METHYL-3-NITRO-1-NITROSOGUANIDINE, 1-
The effect of some treatment conditions on the radiomimetic activity of 1-methyl-3-nitro-1-nitrosoguanidine in plants.
7258

METHYL-4-CHLOROPHENOXYACETIC ACID, 2-
Ten keys to herbicide effectiveness.
6342

Chemical weed control in high yielding rice varieties.
6393

Response of flax to postemergence herbicides.
7314

METHYLBENZYL 3-HYDROXY-CIS-CROTONATE DIMETHYL PHOSPHATE, ALP
Shell products for animal health.
6423

Laboratory tests of five new insecticides as protectants for stored rough rice. (abstract).
7031

METHYLENEBIS(3,4,6-TRICHLOROPHENOL), 2,2'
Combating bacterial and fungal plant diseases with hexachlorophene(2,2'-methylene bis-(3,4,6-trichlorophenol). Patent 3,420,936.
6134

METHYLENEDIPHENOLS, 2,2'
Monophosphoric acid esters of halogen containing 2,2'-methylenediphenols. Patent 3,439,069.
7017

METHYRIDINE
Effect of paddock size, stocking rate, anthelmintics, and trace elements on the weight gain of young cattle.
6828

The systemic action of methyridine against helminths, especially whipworms, in dogs.
6929

METOBROMURON
Effects of selected herbicides upon growth of soil algae.
7265

METRITIS
Use of potassium iodide in the treatment of ovarian cysts in cows.
6552

MEVINPHOS
Studies on the strawberry mite (Tetranychus telarius (L).
6161

MICE
A note on the feeding mechanism of two fleas.
5283

Host preferences and discrimination by the mosquitoes Aedes aegypti and Culex tarsalis (Diptera: Culicidae).
5461

A technique for feeding larval trombiculid mites on laboratory mice.
5748

1969 fruit spraying calendar, for commercial fruit growers.
5804

Adrenergic mechanism in Bordetella pertusis treated animals.
6475

Cross-protection against Salmonella enteritidis infection in mice.
6528

Avian reoviruses. IV. Relationship to human reoviruses.
6548

Distribution of experimentally induced scrapie lesions in the brain.
6580

Relationships of X-irradiation to the enhancement of Candida albicans infections.
6599

Resistance of vaccinated mice to typical and atypical strains of Coccidioides immitis.
6635

Early antibody response in mice to either infection or immunization with Salmonella typhimurium.
6665

A study of experimental ornithosis in the white mouse infected through the peritoneal cavity.
6751

Action of Bayer preparation A 139 on rabies virus.
6785

Toxoplasma gondii: Transmission through feces in absence of Toxocara cati eggs.
6811

Relation of infection to tissue temperature in mice infected with Mycobacterium marinum and Mycobacterium leprae.
6813

Mechanisms of pathogenesis in Listeria monocytogenes infection. III. Carbohydrate metabolism.
6866

Multiplication and differentiation of Trypanosoma cruzi in an insect cell culture system.
6875

Trichinella spiralis: Immune elimination in mice.
6935

Standard techniques for larval discovery in microascaridic infection by Toxocara canis (Werner, 1782) in the white mouse; observations on the larval migrations and burdens in the experimental infections conferred through oral, intraperitoneal and subcutaneous route.
6969

Homocytotropic antibody response in mice infected with Schistosoma mansoni: Comparasion with the response following Trichinella spiralis infection.
6979

On the use of TEGO 51 in animal food industries--toxicity and bactericidal properties.
7067

Studies on a series of branched-chain analogs of diethyl malathion and malaoxon with regard to toxicity and in vitro enzymatic reactions. (abstract).
7151

Hepatotoxic potency of various chlorinated hydrocarbon vapors relative to their narcotic and lethal potencies in mice.
7166

The effect of sex and age on the response to warfarin in a non-inbred strain of mice.
7198

Nickel toxicity in young growing mice.
7212

MICROBIAL CONTAMINATION
Dry milk equipment design and its relation to the salmonella problem.
7065

MICROBIAL INSECTICIDES
Possibilities of mass-producing insect pathogens.
5381

Aspects of the industrial production of microbial insect control agents.
7404

MICROBIOLOGY
The influence of environmental factors.
5378

2,4-D metabolism. Enzymatic hydroxylation of chlorinated phenols.
5784

2,4-D metabolism; enzymatic degradation of chlorocatechols.
5785

A microbiological control of Melampsora medusae. 6011

Fluctuations in natural soil populations of Verticillium tricorpus. 6106

The bacterial population of an indoor poultry lagoon. 6416

Aerobic agents of animal actinomycosis. 6547

A comparative study of morphologic changes within Hep-2 culture cells inoculated with various adenovirus serotypes. 6744

Further studies on the screening technique for determining Salmonella-negative samples of pasteurized dried egg. 7048

Note on a microbiological assay for aflatoxin B_1: A rapid confirmatory test by effects on growth of Bacillus megaterium. 7052

Rapid confirmatory test for aflatoxin B_1 using Bacillus megaterium. 7053

Microbial degradation of aromatic compounds. 7346

MICROCLIMATE

The insect world. Series: The universe of knowledge. 4967

MICROFILARIAE

Blood parasites found in imported birds at post-mortem examination. 6987

MICROFLORA

Investigations concerning the microflora of isterband , a Swedish fermented type of sausage. 7062

In vitro degradation of DDT by intestinal contents of Atlantic salmon (Salmo salar). 7096

Some effects of diazinon on the microflora of submerged soils. 7133

MICROLEPIDOPTERA

Entomological results of catches in the area of San Bernardino (Misox Gr), which has not been fully explored lepidoterologically. (A building block of the Swiss Lepidoptera fauna). 5147

MICRONUTRIENTS

Soil science and agricultural chemistry. 5805

Manures and fertilizers. 5853

Metabolic activity of pea root ribosomes under conditions of boron deficiency. 5877

Phosphorus, potassium, calcium and magnesium requirements of Maryland tobacco grown on Monmouth soil. 5880

Italian beet culture. The diseases: Fungi and viruses. 5926

Are sick plants dangerous. 5943

A microbiological control of Melampsora medusae. 6011

Zinc deficiency may limit maize yields. 6075

Effect of paddock size, stocking rate, anthelmintics, and trace elements on the weight gain of young cattle. 6828

The effect of magnesium on the growth of lucerne, grown on grey forest soils. 7228

On the mechanism of chloride toxicity. 7243

The effect of microelements on the rate and percentage of germination with lucerne and soybean. 7279

The effect of trace elements on the yield and quality of camomile flowers and peppermint leaves. 7282

Studies on the molybdenum availability. Part I. Molybdenum uptake by plants under different nitrogen and phosphorus nutrition. 7288

The distribution of trace elements in the leaves of the coconut palm, and the effect of trace element injections. 7297

The effect of potassium on the metabolism of sugar beet plants infected with sugar beet yellows virus. Part I. Water balance and the optake of some mineral nutrients. 7316

MICROORGANISMS

The in vitro pathogenesis of insect viroses. 5307

Possibilities of mass-producing insect pathogens. 5381

On the transport of microorganisms (Phi particles) by the female germinal cells in the homopteran Typhlocyba douglasi Edw.. 5454

Simultaneously effective anti-fungal and insecticidal or acaricidal pesticides. Patent 3,450,818. 5527

Transmission of the tularemia pathogen to homothermal animals by Ixodes ticks. (JPRS 44,105). 5758

Third contribution to the knowledge of keratinolytic and keratinophilic soil fungi in the region of Szczecin. 5818

Some problems of plant-parasite relationship. 5838

Chemicals for control of cabbage clubroot - Plasmodiophora brassicae Wor. IV. Effect on the pathogen. 5915

Isolation and purification of mycoplasm-type microorganisms after the grapes attain a yellowish gild. 5945

Studies on Stereum sanguinolentum in Kenya pine plantations. 5948

Mycological techniques in plant pathology. 6044

Recent trends in disease control in coffee. 6099

The susceptibility of cereals and wild oats to an isolate of the aster yellows pathogen. 6128

Morphological transformations and lysis of Halobacterium salinarium by 4-(2,4-dichlorophenoxy)butyric acid and related compounds. 6377

On the permanent bedding of chicken. Some technical and hygienic-sanitary questions. 6414

The morphologic response of the turkey oviduct to certain pathogenic agents. 6483

Study of the virulence of Contagious Bovine Pleuropneumonia organism (Assam strain) on subcutaneous pathogenicity test. 6542

Feline infectious anemia (Haemobartenella felis) diagnosis and treatment. 6594

Pathogenetic therapeutics in cases of cow mastitis. 6697

Gas chromatographic analysis of head-space vapors to identify micro-organisms in foods. 7058

On the biochemical activity of microorganisms in the process of meat degradation. 7060

Action of microorganisms on the peroxides and carbonyls of fresh lard. 7066

In vitro degradation of DDT by intestinal contents of Atlantic salmon (Salmo salar). 7096

Detection and differentiation of pathogenic Clostridia and their toxins. 7144

Tests with a combination preparation for the treatment of infectious diseases of microbial origin. 7148

Postirradiation modification of ultraviolet-sensitivity of normal and nitrofurazone-resistant strains of the blue-green alga Anacystis nidulans. 7217

Metabolism of DDT by rumen microorganisms in vitro. (Abstract). 7345

Microbial degradation of aromatic compounds. 7346

Process for destroying microorganisms in agriculture. Patent 3,444,301. 7380

MICROSCOPY

Polarized light observations on striated muscle contraction in a mite. 5198

Mesosomes in m-tyrosine-inhibited Bacillus thuringiensis. 6474

The morphologic response of the turkey oviduct to certain pathogenic agents. 6483

Experimental leptospirosis. III. Leptospirosis in dogs. Experimental reproduction of the sickness. 6508

A complement fixation test for the study of avian mycoplasma. 6583

Hepatocellular carcinoma in the dog. 6586

Some observations on Marek's disease (fowl paralysis). 6595

The olfactory bulb lesion in the hibenating squirrel (Citellus lateralis) infected with coxsackievirus B-3. I. Virus assay, light microscopic and immunofluorescent study. 6604

Early changes in bursa of Fabricius from Marek's disease. 6642

Histopathological examination of the kidneys of a ram who died of a urethral obstruction due to sedimentosis. 6646

On pyroplasmodias in sheep and goats. II. Research into anaplasmosis. 6686

Aspergillosis in Japanese quail. 6749

Influence of some preparations applied into the udder on the pH, microscopic cellular appearance, California Mastitis Test and on the content of catalase and chlorides in milk. 6837

Notes on the spontaneous pathology of the dog in the laboratory. 2nd note: Hematoma of the spleen. 6850

Experimental transmission of sheep pulmonary adenomatosis (ijaagsiekte). 6861

Microscopic identification of some chlorinated hydrocarbon insecticides on different substrata. 7381

MICROSOMES

Some properties of the microsomal system metabolizing DDT in Triatoma infestans. 5183

A sodium and potassium stimulated adenosine triphosphatase in the cockroach nerve cord.
5337

DDT and related chlorinated hydrocarbons: Their metabolism in the chick and their induction of microsomal ensymes.
7142

MILDEW

Applicability of mildew-infested wheat to feeding.- Short communication.
7214

The influence of CCC on disease contraction of grain.
7322

Tri(C8-C10 alkyl) m- and p-nitrobenzyl quaternary ammonium halides. Patent 3,446,844.
7333

MILK

S.N.F. content of milk.
6446

Effective attack on mastitis...at last.
6466

Some observations on the incidence of Brucellosis in animals in West Pakistan.
6471

Correlation of four mastitis detection tests with respect to the leucocyte count.
6647

Diagnosis of cow mastitis based on leukocyte count in milk.
6668

Influence of some preparations applied into the udder on the pH, microscopic cellular appearance, California Mastitis Test and on the content of catalase and chlorides in milk.
6837

Penicillin and other inhibitory substances in milk: The development and application of a routine test in New Zealand.
7061

Effect of direct steam heating and vacuum treatment on levels of pesticide residues in milk.
7119

Organochlorine insecticide residues in complete prepared meals: A 12-month survey in S. E. England. (abstract).
7121

Rapid colorimetric determination of DOT in milk and butter.
7389

MILK ANALYSIS

Excretion of radioactive mestranol in the milk of animals.
6444

S.N.F. content of milk.
6446

The effect of mastitis on the freezing-point of cows' milk. king, j o l.
6451

Incidence of udder infections arising at various stages of lactation of cows.
6734

Penicillin and other inhibitory substances in milk: The development and application of a routine test in New Zealand.
7061

Experience with a shorter extraction procedure for insecticide residues from liquid milk products.
7114

Distribution of Strontium 90 and Cesium 137 in dairy products in the processing of ewe's milk. 2. In white brined cheese.
7140

MILK FAT

S.N.F. content of milk.
6446

MILK FEVER

The prophylaxis of so-called milk fever of sows.
6662

MILK PRODUCTION

The application of ultrasound in the treatment of mastitis in cows.
6598

Salmonella typhimurium infection in dairy cows.
6763

MILKY DISEASE

Controlling the Japanese beetle.
5187

Morphology and chemistry of the parasporal body of Bacillus fribourgensis.
5450

MILLING

Reduction in aflatoxin contamination of rice by milling procedures.
7200

MIMICRY

Flying beetles.
5178

Anatea, an ant-mimicking Theridiid spider from New Caledonia (Araneae: Theridiidae).
5555

Biological observations on Aegeria apiformis Cl.
5642

MINERAL OIL

Wetting agents, oils: Are they a plus for atrazine .
6322

Oil deposit on grapefruit leaves with 3 types of spray equipment in relation to control of certain citrus pests.
7101

MINERALS

Composition, structure, and mode of formation of mineral granules in the middle intestines of the homopteran Cercopidae.
5334

On the mineral content of the Swiss meadow fodder and its relationship to herd sterility.
6616

Histopathological examination of the kidneys of a ram who died of a urethral obstruction due to sedimentosis.
6646

MINKS

Clinical observation of experimental pseudorabies in mink and ferrets.
6600

A helminthological survey of wild mink in Wisconsin.
6939

MIRIDAE

What is Psallus dilutus Fieber 1858 (Hem.,Het.,Miridae.
5165

On the significance of the Lygus species as a plant pest.
6154

MIST BLOWERS

Applying insecticides to cotton crops.
4971

Operation and maintenance of power sprayers.
7388

MITES

Notes on macrochelids associated with manure and coprid beetles in Israel. II. Three new species of the Macrocheles pisentii complex, with notes on their biology.
5013

Malayoglyphus intermedius n. g., n. sp., a new mite from house dust in Singapore and Djakarta (Pyroglyphidae: sarcoptiformes).
5028

Epimyodex talpae n. g., n. sp., a sub-cutaneous parasite of the mole in Belgium (Demodicidae: Trombidiformes).
5029

Study of the cycle of Geckobia latastei and Geckobia loricata, Acarine parasites of the Gecko Tarentola mauritanica.
5044

Faunistic studies on some acari of the families Myobiidae and Cheyletidae, parasitizing on small mammals in Bulgaria.
5084

New descriptions of Psorergate species (P-sorergatidae: Trombidiformes).
5093

A new species of Dermanyssus from marine birds, with observations on its biology (Acarina: Dermanyssidae).
5113

South American Thrombidiidae. II. Chyzerini Thrombidiinae; solenocyte taxonomy of the palpus in several Thrombidii a ; th r latio-ship between Podothrombium Berlese 1910 -- Variathrombium n. g., and Thrombidiinae.
5137

The establishment ofa lectotype for Leptotrombidium (Leptotrombidium) akamushi (Brumpt, 1910) (Acarina: Trombiculidae).
5163

Polarized light observations on striated muscle contraction in a mite.
5198

Integrated control of fruit tree pests. Orchard mites. Orchard insects.
5292

Final report. Studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan, June 1961 - June 1966. Part III. Mites.
5325

Biosystematics of Phytosciulus persimilis AthiasHenriot (Acarina: Phytoseiidae).
5407

Insect and mite control on ornamentals.
5471

Home garden insect control.
5472

A technique for rearing trombiculid mites (Acarina) developed in a tropical laboratory.
5489

Phytophagous mites; species of widest distribution in Argentina.
5540

A technique for feeding larval trombiculid mites on laboratory mice.
5748

Pests and diseases of arecanut.
5841

Growing camellias.
5859

Studies on the strawberry mite (Tetranychus telarius (L).
6161

Control of some pests of evergreens.
6162

Control of insects on alfalfa and red clover.
6185

A mite to combat coconut caterpillar.
6218

Pests of legume seed crops in north Queensland.
6245

Bionomics of Drosicha mangiferae (Green) on citrus including new record of its three natural enemies.
6246

Annual pest control programs for Central California.
6260

Citrus pest control programs for California and Arizona desert areas.
6262

Control cotton insects .
6278

Can we conquer the 'mighty' mites .
6293

Lice and mites in poultry.
6890

New mangemites of endemic insectivores. (P-sorergatidae: Trombidiformes).
6898

Insect and mite pests of livestock, poultry, and farm buildings.
6899

The gamasid mites (Parasitiformes, Gamasoidea) of the Pavlodar province of Kazakhstan.
6906

Respiratory mites of poultry in the territory of Papua New Guinea. 6909

Antifungal action of a phosphate ester pesticide, O-Mchlorophenyl O,O-dimethyl phosphorothioate, used in nutrient media for fungi. (abstract). 7175

MITOCHONDRIA

The stimulation of 2,4-dinitrophenol-activated ATPASE by anions. 4976

Salicylanilides: A new group of active uncouplers of oxidative phosphorylation. 5679

Fowl pox inclusion-body formation in skin epithelium of chicks. 6817

Adenosinetriphosphatase activity in muscle tissue mitochondria of swine ascarid (Ascaris suum, Goeze, 1758). 6990

MITOSIS

Karyological studies on the Indian spiders. VIII. Mitosis and meiosis in two species belonging to the family Gnaphosidae. 5478

Centromere nature of the chromosomes of Ranatra (Heteroptera). 5701

MIYAGAWANELLA GROUP VIRUSES

Outbreak of ornithosis in a flock of carrier pigeons in Copenhagen. 6584

MOISTURE CONTENT (SEEDS)

Effect of the moisture content and post-irradiation temperature on the radiosensitivity of wheat and barley seeds. 7239

MOLDS

Production of cellulase, antibiotic and antitumor substances by growing Eumyces ATCC 16425 Patent 3,438,864. 6445

Antifungal action of a phosphate ester pesticide, O-Mchlorophenyl O,O-dimethyl phosphorothioate, used in nutrient media for fungi. (abstract). 7175

MOLES

Epimyodex talpae n. g., n. sp., a sub-cutaneous parasite of the mole in Belgium (Demodicidae: Trombidiformes). 5029

MOLLUSCACIDES

A laboratory method for assessing the toxicity of stomach poisons to slugs. 6407

Chemical molluscacides and the prophylaxis of helminthiases which can be transmitted to man by freshwater Gasteropods. 6934

Report on the working party on liver-fluke in Wales. 7002

MOLTING (INSECTS)

Bracken and locust ecdysones: Their effect on molting in the desert locust. 5251

Changes in neurosecretory activity at different stages in the adult Hyalomma dromedarii Koch, 1844. 5287

Relation of eye color to molting in Periplaneta americana l. 5309

Study of the hemocytes of Locusta migratoria L. (Orthoptera). 5367

The larval and imaginal oenocytes of Callosobruchus maculatus (Fabricius) (Coleoptera: Bruchidae). 5512

The fine structure of the ventral intersegmental abdominal muscles of the insect Rhodnius prolixus during the molting cycle. Ii Muscle structure at molting. 5648

The fine structure of the ventral intersegmental abdominal muscles of the insect Rhodnius prolixus during the molting cycle. II. Muscle changes in preparation for molting. 5649

MOLYBDENUM

Studies on the molybdenum availability.Part III. An attempt to estimate the available molybdenum content in soils in connection with the plant test. 7287

Studies on the molybdenum availability. Part I. Molybdenum uptake by plants under different nitrogen and phosphorus nutrition. 7288

MONGOOSE

The feeding habits of the yellow mongoose, Cynictis penicillata, the suricate, Suricata suricatta and the Cape ground squirrel, Xerus inauris. 1. Analysis of stomach contents 2. Observations on free-living and captive animals. 6886

MONIEZIA EXPANSA

Morphologic and histochemical studies on the nervous system of tapeworms revealed by the cholinesterase method (Taenia hydatigena, Dipylidium caninum and Moniezia expansa). 6963

The fine structure of the spermatozoon of sheep tapeworm, Moniezia expansa (Rud., 1810)(Cyclophyllidea, Anoplocephalidae). 7013

MONILIASIS

Moniliasis of plum-trees. Biology and methods of control. 6054

MONKEYS

Falciparum malaria transmissible from monkey to man by mosquito bite. 5751

Plasmodium brasilianum in Columbian monkeys. 6704

A survey of parasites in laboratory primates. 6998

MONOSODIUM ACID METHANEARSONATE

After coton is up, here are ways to keep it clean. 6346

Recent advances in perennial grass control in avocado orchards. 6350

MONURON

Recent advances in perennial grass control in avocado orchards. 6350

Influence of some herbicides on accumulation of 32P in above-ground organs of oats. 7223

Microbial degradation of five substituted urea herbicides. 7276

MOP TOP

The behavior of potato mop-top virus in soil, and evidence for its transmission by Spongospora subterranea (Wallr.) Lagerh. 5979

MORPHOLOGY

Induced virescent-bud mutation in Gossypium hirsutum. 5420

A damsel-fly as the second intermediate host of a pleurogenetine trematode. 5488

The nematodes DD-136 (Neoaplectana sp.) and Neoaplectana carpocapsae Weiser, 1955 (Rhabditoidea) as insect parasites. A literature review. 5499

Description and taxonomic position of the DD-136 nematode (Steinernematidae, Rhabditoidea) and its relationship to Neoaplectana carpocapsae Weiser. 5533

Alteration of some properties of Bacillus thuringiensis by means of passages through the insects and cultivation on nutrient media. 5605

Note : Oospores of Sclerospora philippinensis Weston from corn leaf tissue. 6024

Morphological variant of Tetylenchus joctus Thorne (Nemata: Tylenchida) associated with cultivated blueberries in Indiana. 6289

Cuticle ultrastructure of the Meloidogyne hapla larva. 6292

Evolution of botulism. V. Evolution of pathogenic propertis of Cl. botulinum. 6505

Adaptation,culturing of R. sibirica in rabbit lice and preparation of a combined antigen for diagnosis of infection. 6783

Influence of fixation on gross morphology of Mycoplasma. 6786

Use of a scanning electron microscope for the examination of Actinomycetes. 6869

Eurycestus avoceti Clark, 1954 (Cestoda, Cyclophyllidaen parasite of the Avocet in Camargue. 6914

A new disease of potato tubers caused by Gilmaniella humicola Barron. 7029

Effect of the triazine herbicides simazine and atrazine upon young plum trees. 7260

MORTALITY

Analysis of bark beetle mortality in spruce forests in Poland. 5205

Estimation of the individual number entering each development stage in an insect population. 5413

Sterilizing effect of a phosphoramide on Culex fatigans Weid. 5530

Intraspecies competition in a field population of Gregopimpla himalayensis (Hymenoptera: Ichneumonidae) parasitic on Malacosoma neustria testacea (Lepidoptera: Lasiocampidae). 5600

Emigration and mortality rates and the food-shelter conditions of Ligidium hypnorum L. (Isopoda). 5624

Susceptibility of an alfalfa leafcutting bee to residues of insecticides on foliage. 5668

Mosquito control and/or honey bees. 5769

Response of pines irradiated with lethal and sublethal doses of gamma-radiation. 5829

Estimated Fraser fir mortality and balsam woolly aphid infestation trend using aerial color photography. 6144

Disulfoton as a systemic insecticide for control of adult white-fringed beetles on peanuts. 6153

Effects of the winter moth on growth and mortality of red oak in Nova Scotia. 6173

Brucella ovis infection. 2. The infection status in breeding flocks as measured by examination of rams and the perinatal lamb mortality. 6618

Eimeria adendeides and E. meleagrimitis: Pathogenic effect in turkey poults. 6620

Clostridium septicum infection in a broiler flock. 6622

Avian leukosis-sarcoma viruses and antibody in field flocks, and their relationship to leukosis mortality. 6784

Dynamics of Salmonella infection in chicks reared on litter. 6823

Mortality in sheep due to Ixodes species. 6907

Interaction of salt, pH, and temperature on the growth and survival of Salmonellae in ground pork. 7047

Effects on wild young salmon of spraying DDT over New Brunswick forests. 7103

Fish losses after forest sprayings with insecticides in New Brunswick, 1952-62, as shown by caged specimens and other observations. 7112

Tolerance of sheep with regard to a new phosphoric ester: Chlorfenvinphos. 7167

Venom of the scorpion Vejovis spinigerus. 7199

MORTIERELLACEAE
On the granular dermatitis in horses which contains a kind of true fungus in the foci II. 6460

MORUS
Contributions to the study of the biometric characteristics of the silkworm as influenced by nutrition. 5589

MOSAIC
An X-ray diffraction study of a tobacco mosiac virus mutant. 5861

The occurrence of coupea mosaic virus in the state of Sao Paulo. 5885

An antiviral principle from tomatoes systemically infected with tobacco mosaic virus. 5887

Possibilities for inter- and intracellular translocation of some icosahedral plant viruses. 5906

Identification of soybean mosaic virus in Venezuela. 5907

Separation of top and bottom components of alfalfa mosaic virus by combined differential and density gradient centrifugation. 5913

Effect of 6-azauracil on infection with tobacco mosaic virus. 5914

Transmission and translocation of red clover vein mosaic virus in clover. 5921

Effect of red clover vein mosaic virus on dry weight of tissues of Gomphrena globosa. 5922

Some experiments on the transmission of Cymbidium mosaic virus and Odontoglossum ringspot virus. 5970

Transmission of rice viruses in Southeast Asia. 5998

Cross interaction between different components of two strains of alfalfa mosaic virus. 6004

The crinkly mosaic of sweetvetch (Hedysarum coronarium L.). 6005

Methods for protecting melons from cucumber mosaic virus. The benefit of covering the soil with plastic reflecting films. 6015

Effects of kinetin and actinomycin D on the susceptibility of Nicotiana glutinosa L. to infection by tobacco mosaic virus. 6022

The problems of plant disease control. 6034

Evidence for the presence of the Ohio strain III of tobacco mosaic virus in tomato in The Netherlands. 6045

Diseases of pulses pose a challenge to plant pathologists, breeders. 6047

The effect of TMV on the Hill reaction in chloroplasts from various tobacco species with different resistance. 6060

Cell-free synthesis of tobacco mosaic virus coat protein and its combination with ribonucleic acid to yield tobacco mosaic virus. 6073

A note on the non-transmission of Centrosema mosaic virus through seed. 6076

Reaction of nitrosoguanidine (N-methyl-N'-nitro-N-nitrosoguanidine) with tobacco mosaic virus and its RNA. 6081

Inheritance of mosaic resistance in sugarcane. 6084

Susceptibility of watermelon cultivars to watermelon mosaic virus-2. 6091

Relationship of pea mosaic virus with its vector Aphis craccivora Koch.. 6092

The relationship of Johnson grass and other perennial hosts of maize dwarf mosaic virus to disease spread and control. 6108

Virus diseases of celeriac and carrots in Europe. 6133

On the significance of the Lygus species as a plant pest. 6154

Sources of tolerance to soil-borne oat mosaic virus from the World Oat Collection. 6602

Tobacco stalk and root destruction with herbicides and their effect on tobacco mosaic virus. 7249

Flavone composition, flowering, and hypersensitivity to virus in vegetables. 7281

MOTHS
The butterfly in the vernacular. 5079

Relationship between serotonin and the circadian rhthym in some nocturnal moths. 5364

Behavioral adaptations of cryptic moths. I. Preliminary studies on bark-like species. 5583

Cryptic moths: effects on background selections of painting the cirumocular scales. 5584

Use of some host insects to increase trichogram effectiveness. 5692

Records of eye-frequenting Lepidoptera from man. 5749

MOTLEY DWARF
Virus diseases of celeriac and carrots in Europe. 6133

MOTOR SKILLS
A method for studying motor reactions of ascarids. 7153

MOTTLE
Investigations on certain virus diseases on pear tree in Bulgaria. 6112

MOUTH PARTS
A note on the feeding mechanism of two fleas. 5283

The imaginal cells of the clypeo-labrum and the development of the proboscis of Drosophila melanogaster. 5321

Study of the sensory equipment of the distal joint of the palpi in Locusta migratoria migratorioides (F. and R.) larvae. 5436

Feeding mechanism of a fruit-sucking moth Othreis materna (Lepidoptera: Noctuidae). 5623

MUCOSAL DISEASE
Field observation of a mucosal type of disease at Aarey Milk Colony. 6826

MUCOUS MEMBRANE
Fibrinous colitis in pigs. 6745

MULCHES
Growing vegetables in South Dakota. 5832

MULES
Histopathology of parafilariasis in mules. 6932

MUSCA
Studies of house flies. I. Breeding of Musca sorbens, Wied.. 5282

Houseflies, blowflies and cluster flies. 6901

MUSCA AUTUMNALIS
Heterotylenchus spp. parasitising the Australian bush fly: Additional information on the origin of the parasite of the face fly. 5375

MUSCA DOMESTICA
Selection for divergent emigration rates in laboratory populations of Musca domestica. 5269

Piperonylic acid conjugates with alanine, glutamate, glutamine, glycine, and serine in living houseflies. 5296

The control of the house fly in the city of Tunis. 5297

Simple, safe, effective fly control for dairy farms. 5301

House fly control by chemical sterilization with apholate. 5430

Utilization of larval cholestrol-4-C14 for reproduction in house flies fed unlabeled cholesterol in the adult diet. 5481

The relation between temperature and lethal action of carbaryl on adults on the housefly and the oriental housefly (Diptera: Muscidae). 5490

The determination of the insecticidal activity of an 8 year old sample of DDT by biological method. 5509

Insecticide resistance in the house fly: Decreased rate of absorption is the mechanism of action of a gene that acts as an intensifier of resistance. 5532

Lindane: Metabolism to a new isomer of pentachlorocyclohexene. (abstract). 5551

Lindane: Metabolism to a new isomer of pentachlorocyclohexene. 5552

Postembryonic development of the brain of Musca domestica. 5585

Studies on the mode of action of the chemosterilants 5-imidazolidinone and 4-imidazolin-2-one in the house fly and in the large milkweed bug. 5591

Intracellular concentration of electrolytes in the housefly. 5598

Oxidative metabolism of C14-labeled Baygon by living house flies and by house fly enzyme preparations. 5604

Effect of insecticide poisoning on chemoreception in the house fly, Musca domestica vicinaL. (Diptera: Muscidae). 5619

Insecticidal and acaricidal effect of some binary mixtures. 5627

Salicylanilides: A new group of active uncouplers of oxidative phosphorylation. 5679

Genetics of resistance to insecticides of the SKA strain of Musca domestica. III. Location and isolation of the factors of resistance to dieldrin. 5736

Study of the insecticidal action of trans-chrysanthemate alletrholone on Musca domestica. 6693

Houseflies, blowflies and cluster flies. 6901

MUSCA DOMESTICA VICINA

Studies on control of house flies in Egypt by chemosterilants. I. Laboratory studies on Musca domestica vicina. 5346

The relation between temperature and lethal action of carbaryl on adults on the housefly and the oriental housefly (Diptera: Muscidae). 5490

MUSCARDINE

Are sick plants dangerous. 5943

MUSCIDAE

Investigation into the Synanthropic flies in the family Muscidae (Dipt.) in Bulgaria. 5088

Hylemyia cilicrura Rond. on the Dianthus cultures of Pescia and Versilia. 6174

MUSCLES

Polarized light observations on striated muscle contraction in a mite. 5198

The action of iontophoretically applied glutamate on insect muscle fibres. 5222

On the functional morphology of water striders. I. The morphology of the locomotive apparatus of Gerris lacustris L. (Heteroptera: gerridae). 5279

Metabolism of the muscle of the scorpion. 5403

The calcium sensitivity of ATPase activity of myofibrils and actomyosins from insect flight and leg muscles. 5456

Flea Ctenophthalmus: Heterogeneous hexagonally organized layer in the midgut. 5558

Activation of the myofibrillar ATPASE activity by extension of glycerolextracted insect fibrillar muscle. 5571

The coupling of poweroutput and myofibrillar ATPASE activity in glycerol-extracted insect fibrillar muscle at varying amplitude of ATP-DRIVEN oscillation. 5572

Feeding mechanism of a fruit-sucking moth Othreis materna (Lepidoptera: Noctuidae). 5623

The fine structure of the ventral intersegmental abdominal muscles of the insect Rhodnius prolixus during the molting cycle. Ii Muscle structure at molting. 5648

The fine structure of the ventral intersegmental abdominal muscles of the insect Rhodnius prolixus during the molting cycle. II. Muscle changes in preparation for molting. 5649

A progressive spastic syndrome in cattle. 6481

Growth and respiration of monolayer cell cultures of chick embryo heart and skeletal muscle: Action of malathion and malaoxon. 6871

Adenosinetriphosphatase activity in muscle tissue mitochondria of swine ascarid (Ascaris suum, Goeze, 1758). 6990

MUSHROOMS

Etiology, symptomatology and epidemiology of a virus disease of cultivated mushrooms. 6069

MUSKRATS

The muskrat in Loire-Atlantique. 6410

MUSTARD

Delhi farmers need not be afraid of mustard aphid. 6239

MUTAGENS

Initiation of polyhedrosis production in vitro. 5685

Modification of gamma ray mutagenic action by temperature shock. 5790

The mutagenic effect by the action of herbicides on barley. 7303

On the repair of the damages induced by N-methyl-N'-nitro-N-nitrosoguanidine in the bacterial DNA. 7373

MUTATION

The induction of dodine tolerance in Fusarium oxysporum f. melonis: a technique applicable to the study of the bionomics of soil-borne fungal pathogens. 6001

Catabolite repression in Escherichia coli. A study of tow hypotheses. 6732

Avirulent mutant of Aujeszky's virus, induced by 5-iodo-2-deoxiuridine (IUDR). 6838

MYCELIUM

Growth of the rust fungus Cronartium ribicola in tissue cultures of Pinus monticola. 5952

Effect of the composition of the nutrient medium on the amylase localization in Aspergillus oryzae. 7242

MYCOBACTERIUM

Relation of infection to tissue temperature in mice infected with Mycobacterium marinum and Mycobacterium leprae. 6813

MYCOBACTERIUM AVIUM

Studies of tuberculosis in hens as a problem of food hygiene. 6493

MYCOBACTERIUM BOVIS

Studies of tuberculosis in hens as a problem of food hygiene. 6493

MYCOBACTERIUM JOHNEI

Johne's disease. II. The pathogenic agent, susceptible species and method of infection. 6549

MYCOBACTERIUM PARATUBERCULOSIS

Experimental paratuberculosis in sheep after oral, intratracheal, or intravenous inoculation: Lesions and demonstration of etiologic agent. 6672

MYCOBACTERIUM TUBERCULOSIS

On the bacterial effect of ionizing irradiation on certain microorganisms. Second communication. A study of the bactericidal effect of gamma rays on certain bacteria and the spores of Bac. anthracis. 6425

Studies of tuberculosis in hens as a problem of food hygiene. 6493

Localization of P32 labeled Mycobacterium tuberculosis in fowl organisms. 6636

MYCOFLORA

Contribution to the knowledge of the mycoflora of the Apus mountains. 5900

MYCOLOGY

The developing ascospore wall of Hypoxylon fragiforme. 5794

Mycological investigations on field retting of fiber flax, species and distribution. 5932

Mycological techniques in plant pathology. 6044

MYCOPLASMA

The susceptibility of cereals and wild oats to an isolate of the aster yellows pathogen. 6128

Mycoplasma-like bodies in the salivary glands of insect vectors carrying the aster yellows agent. 6191

Immunofluorescence identidication of Mycoplasma on agar by use of incident illumination. 6545

A complement fixation test for the study of avian mycoplasma. 6583

Cultural characters and serological relationships of some mycoplasmas isolated from bovine sources. 6641

A mycoplasma associated with ovine orchitis. 6714

Studies on Mycoplasma of rats. I. Observation of Mycoplasma in the respiratory system of rats. 6752

Synthesis of saturated long chain fatty acids from sodium acetate-1-C14 by Mycoplasma. 6772

Influence of fixation on gross morphology of Mycoplasma. 6786

MYCOPLASMA AGALACTIAE

Electronmicroscopical aspects of Mycoplasma agalactiae. 6764

MYCOPLASMA GALLISEPTICUM

Role of complement in immune inactivation of Mycoplasma gallisepticum. 6486

Glucose-dependent secretion and destruction of hydrogen peroxide by Mycoplasma pneumoniae. 6526

The evaluation of the metabolic-inhibition technique for the study of Mycoplasma gallisepticum. 6839

MYCOPLASMA MELEAGRIDIS

The morphologic response of the turkey oviduct to certain pathogenic agents. 6483

A hemagglutination-inhibition test for Mycoplasma meleagridis antibodies. 6787

MYCOPLASMA PNEUMONIAE

Glucose-dependent secretion and destruction of hydrogen peroxide by Mycoplasma pneumoniae. 6526

MYCOPLASMA SUIPNEUMONIAE

Characterization of Mycoplasma suipneumonuaii A mycoplasma causing enzootic pneumonia of pigs. 6597

MYCORRHIZA

Preliminary studies on mycorrhiza in Adonis vernalis. 5991

MYCOSIS

Are sick plants dangerous. 5943

On the granular dermatitis in horses which contains a kind of true fungus in the foci II. 6460

Four cases of systemic mycosis in cervids. 6577

Fungal flora of the avian respiratory tract. 6591

Relationships of X-irradiation to the enhancement of Candida albicans infections. 6599

Experimental studies on bovine mycotic placentitis. 6627

Aspergillosis in Japanese quail. 6749

Histoplasmic (Histoplasma capsulatum) infection in a horse. 6758

MYCOSPHAERELLA CITRULLINA

Pectic and cellulolytic enzymes produced by Mycosphaerella citrullina and their relation to black rot of squash. 5903

MYOBIIDAE

New descriptions of Psorergate species (Psorergatidae: Trombidiformes). 5093

MYOSINS

The nature of activating action of dinitrophenol on ATPASE activity of myosin. 7365

MYRCENE

Western pine beetle: Field response to its sex pheromone and a synergistic host terpene, myrcene. 5217

MYRMECIA PYRIFORMIS

Phospholipase A in the venom of the Australian bulldog ant Myrmecia pyriformis. 7180

MYXOVIRUSES

Investigations on the viruses of the Orphan type occurring in pigs in Poland. VII. Influence of the Orphan virus L1 on the virus of hog cholera in swine kidney cell cultures. 6501

A contribution to the knowledge of trophism in rabies virus. 6566

Hemagglutinin of rabies and some other bullet-shaped viruses. 6611

The effect of quaternary ammonium compounds on Newcastle disease virus and parainfluenza virus. 6670

Myxoviruses of animals. 6728

Outbreak of influenza A/equi 2 in Italy. 6756

MYZUS PERSICAE

Meteorological aspects of insect migrations. 5379

Effect on aphid feeding of dietary methionine. 5479

Ecological studies on aphids. I. On the temperature relations of the Virginoparae (Aliencolae) of Myzus persicae at constant temperatures on Swedes. 5675

Identification of soybean mosaic virus in Venezuela. 5907

Studies on the transmission of pea leaf roll virus by Myzus persicae (Sulz.). 6132

Burning weeds in drainage ditches to suppress populations of green peach aphids and incidence of beet western yellows disease in sugarbeets. 6395

The effect of potassium on the metabolism of sugar beet plants infected with sugar beet yellows virus. Part I. Water balance and the optake of some mineral nutrients. 7316

NALED

A low volume spray system for twin-engine aircraft used in mosquito control. 5246

Unique problems in insect and pest control of NASA's Mississippi Test Facility. 5755

NAPHTHALENEACETIC ACID

Foliar penetration of plant growth substances with special reference to binding by cuticular surfaces of pear leaves. 7230

NATURAL CONTROL (INSECTS)

Controlling the Japanese beetle. 5187

An acarid (Erythraeidae) parasite of Jassids (Homoptera, Auchenorrhyncha). 5249

Fluctuations in numbers and reduction of the Colorado beetle (Leptinotarsa decemlineata Say) in natural conditions. 5402

Ecological studies on aphids. I. On the temperature relations of the Virginoparae (Aliencolae) of Myzus persicae at constant temperatures on Swedes. 5675

On the agricultural importance of the rook (Corvus frugilegus L.). 6435

NEARCTAPHIS BAKERI

On the presence in France of Nearctaphis bakeri Cowen, a dangerous pest of cultivated clover in the U. S. A. (Homoptera, Aphididae). 5089

NECROSIS

Mechanisms of pathogenesis in Sclerotium bataticola on sunflowers. 1. Production and translocation of a necrosisinducing toxin. 5890

A D serotype of satellite virus specifically associated with a D serotype of tobacco necrosis virus. 5949

Injured cells required for the initiation of plant virus infections. 5983

Studies on an Italian isolate of the tobacco necrosis virus. 6003

Effect of virus on the rice plant. 6137

Dietary hepatic necrosis associated with selenium-vitamin E deficiency in swine. 6723

Effect of floxosceles reclusa Gertsch and Mulaik venom against hemocytes of Acheta domesticus (Linnaeus). 7191

NECTAR

Insect-flower associations in the high Arctic with special reference to nectar. 5366

NEEDLE BLIGHT

Elytroderma disease of ponderosa pine (Pinus ponderosa) in the Pacific Northwest. 5893

Sarcotrochila alpina and Lophodermium laricinum causing larch needle blight in North America. 6141

NEMATOCIDES

Peanut pod invasion by fungi in the presence of lesion nematodes in Georgia. 5974

Some observations on tobacco yellow dwarf control. 6033

The nematode of stems and tubercles (Ditylenchus destructor Thorne) as a dangerous potato pest. 6057

Italian beet culture. The protection against insect pests. 6233

Use of nickel morpholine dithiocarbamate as a nematocide. Patent 3,450,817. 6287

Cotton and plant parasitic nematodes. 6298

Tropical nematology. 6305

Chemical soil treatment for nematode control in tobacco. 6307

Persistent pesticides: A problem. 7110

Techniques for the systematic control of anthelmintics. gastrointestinal nematodes. Tests with a series of indole-hydrazines. 7194

Spiro thiophosphates. Patent 3,445,468. 7367

Pressurised soil fumigation equipment for control of eelworm. 7397

NEMATODE CONTROLLING FUNGI

Catenaria vermicola on nematodes in India. 6304

NEMATODE INFESTATION

Use of nickel morpholine dithiocarbamate as a nematocide. Patent 3,450,817. 6287

Cotton and plant parasitic nematodes. 6298

'miracle' tree is in trouble. 6301

A nematode survey of tobacco soils in Rhodesia and Zambia, and the effects of grass-tobacco rotations on nematode populations. 6303

Note on Bourgelatia diducta, Oesophagostomum longicaudum and Globocephalus urosubulatus (Nematoda-Strongylidea) in swine of Minas Gerais, Brazil. 6911

Effects of gastrointestinal nematode parasites on performance in feedlot cattle. 6912

Study indicates most dairy cattle have worms. 6913

Basic,facts on the parasitic nematodes of the sheep (Ovis aries) in tunisia. 6915

Worms in pigs. 6916

Investigation of the effect of preparation Bayer 9015-12.50W.G. on adult Fasciola hepatica in sheep. 6922

In vitro culture and hatching of Ascaridia galli eggs. 6924

Histopathology of parafilariasis in mules. 6932

Epizootiologic factors of infestation by Trichostrongylidae in ovines in Leon. 6937

Worm control in swine. 6942

The epizootiology of ovine verminous bronchopneumonias in Leon. 6943

Contribution to the knowledge of parasitic fauna of domestic animals and some game in Vojvodina. 6945

Standard techniques for larval discovery in microascaridic infection by Toxocara canis (Werner, 1782) in the white mouse; observations on the larval migrations and burdens in the experimental infections conferred through oral, intraperitoneal and subcutaneous route. 6969

Some factors of ovine infestation with Protostrongylidae. 6975

Clinical observations and studies regarding the etiology of enzootically occurring bovine keratoconjunctivitis, with particular consideration of Thelazia. 6992

Further experiments on the treatment of Strongyloides infestation of horses with thiabendazole. 7011

Anthelmintic treatment of sows with thiabendazole. 7015

NEMATODE MIGRATION

Some factors of ovine infestation with Protostrongylidae. 6975

NEMATODE VECTORS

Limitation of the Colorado beetle by nematodes and prospects for their practical utilization. 5580

Developmental tendencies in phytonematology. 6308

Thorny-headed worm infection in North American prehistoric man. 6974

NEMATODES

On a new species of Mirzaiella Basir, 1942 from Gryllotalpa africana. 5302

Diagnosis of the diseases of insects. 5455

Note on the ovary, rachis, and spermatheca of an insect parasitic nematode, Contortylenchus elongatus (Massey, 1960) Nickle, 1963. 5497

The nematodes DD-136 (Neoaplectana sp.) and Neoaplectana carpocapsae Weiser, 1955 (Rhabditoidea) as insect parasites. A literature review. 5499

Description and taxonomic position of the DD-136 nematode (Steinernematidae, Rhabditoidea) and its relationship to Neoaplectana carpocapsae Weiser. 5533

Pesticidal use of benzothiophenes and benzothienothiophenes. Patent 3,433,874. 5792

1969 fruit spraying calendar, for commercial fruit growers. 5804

Pests of legume seed crops in north Queensland. 6245

Morphological variant of Tetylenchus joctus Thorne (Nemata: Tylenchida) associated with cultivated blueberries in Indiana. 6289

Burrowing nematodes may survive on variants of milam lemon. 6290

Cuticle ultrastructure of the Meloidogyne hapla larva. 6292

Soil nematode fauna occuring in the Jadwisin fields near Warsaw and the effect of environmental conditions on them. 6296

Races of Pratylenchus penetrans, and their effect on black root rot resistance of tobacco. 6300

Catenaria vermicola on nematodes in India. 6304

Shell products for animal health. 6423

On the granular dermatitis in horses which contains a kind of true fungus in the foci II. 6460

Note on Bourgelatia diducta, Oesophagostomum longicaudum and Globocephalus urosubulatus (Nematoda-Strongylidea) in swine of Minas Gerais, Brazil. 6911

Basic,facts on the parasitic nematodes of the sheep (Ovis aries) in tunisia. 6915

Contribution to the problems of toxic action of Ascaridia galli on laboratory animals. 6917

Studies on the pathogenesis of trichocephaliasis in sheep. 6920

The systemic action of methyridine against helminths, especially whipworms, in dogs. 6929

The investigation of alkaline phosphatase in the feces of pigs during experimental oesophagostomosis. 6931

Pelecitus ceylonensis n. sp. from the chick and ash-dove experimentally infected with larvae from Mansonia crassipes, and from naturally-infected crows in Ceylon. 6938

Regional research in nematode parasites of ruminants in the western United States, a 10-year summary, 1958-1968. 6949

Amino acid composition of some strongyle parasites of cattle. 6952

Studies on the acquired resistance of goats to Haemonchus spp. 6954

The geographical and evolutionary relationships of Australian trichostrongyloid parasites and their hosts. 6955

On the nematode fauna of domestic fowl in the Lithuanian SSR. 6959

The investigations of main intestine enzymes--enterokinase and alkaline phosphatase in experimental pig trichocephaliasis. 6964

The dynamics of total protein amount and protein fractions in the blood serum during experimental pig trichocephaliasis. 6971

Efficacy of tetramisole on nematode infections of dogs. 6981

Ectoparasites and helminth endoparasites of the tree squirrels of southwest Tennessee. 6982

Chemotherapeutic agents. 6984

Adenosinetriphosphatase activity in muscle tissue mitochondria of swine ascarid (Ascaris suum, Goeze, 1758). 6990

Metastrongylus salmi Gepoelst, 1923--the pig parasite. 6996

A survey of parasites in laboratory primates. 6998

Treatment of gastrointestinal parasitism of cattle with Parbendazole. 7004

A comparative analysis of the localization of cholinesterase activity in some parasitic nematodes. II. Ascaris suum, Parascaris equorum, Neoascaris vitulorum and Oxyuris equi. 7021

Techniques for the systematic control of anthelmintics. gastrointestinal nematodes. Tests with a series of indole-hydrazines. 7194

Pressurised soil fumigation equipment for control of eelworm. 7397

NEMATODIASIS

Tropical nematology. 6305

Techniques for the systematic control of anthelmintics. gastrointestinal nematodes. Tests with a series of indole-hydrazines. 7194

NEMATODIRUS

Treatment of gastrointestinal parasitism of cattle with Parbendazole. 7004

NEMATODIRUS BATTUS

The introduction of Nematodirus battus (Crofton and Thomas, 1951) into a new environment. 6951

NEMATOLOGY

Regional research in nematode parasites of ruminants in the western United States, a 10-year summary, 1958-1968. 6949

NEMATOMORPHA

The infection of immature aquatic insects by larval Paragordius (Nematomorpha). 5167

NEMATOSPORA CORYLI

Isolation of the organism causing yeast-spot disease from the salivary system of the green stink bug. 6176

NEMESTRINIDAE

The genus Trichopsidea Westwood, with a discussion of its relation to other genera of Nemestrinidae (Diptera). 5049

Notes on Rhynchocephalus tauscheri Fischer (Diptera: Nemestrinidae). 5116

NEMOURA

The distribution of nymphs of Brachyptera risi Mort. and Nemoura flexuosa Aub. (Plecoptera) in relation to oxygen. 5453

NEOAPLECTANA

Description and taxonomic position of the DD-136 nematode (Steinernematidae, Rhabditoidea) and its relationship to Neoaplectana carpocapsae Weiser. 5533

NEOBISIIDAE

A key to all stages of the British species of the family Neobisiidae (Pseudoscorpiones: Diplosphyronida). 5037

NEODIPRION SERTIFER

Differences among Scotch pine varieties in susceptibility to European pine sawfly. 6279

NEODIPRION TSUGAE

The hemlock sawfly in southeast Alaska. 5353

NEOMYCIN

Studies on Salmonella infection among rabbits in the U. A. R. 6479

NEOPASITES

Biology of Dufourea and of its cleptoparasite, Neopasites (Hymenoptera: Apoidea). 5646

NEOPLASMS

Genetic and environmental control of melanotic tumors in Drosophila. 5719

Pig diseases. 6489

Duodenal leiomyosarcoma: A case report. 6491

Sequence of RNA synthesis in chick fibroblasts infected with Sendai virus. 6503

Tumor localizing agents VI. Radioiodinated analogs of dichlorodiphenyldichloroethane (DDD). 6536

The effect of furan series' carboxylic acid N, N-bis-(2-chloroethyl) hydrazides and N, N-bis-(2-chlordethyl) amides on the growth of transplantable tumours and haematopoiesis of rats and mice. 6543

Chronic panleukopenia in cats. 6565

The comparative metabolism of ethylene dimethanesulphonate and ethylene dibromide.
6652

Urine-retention caused by a peri-urethal leiomyoma, in a female dog.
6691

Histochemical premises to the study of the adrenal medullary tumors of cattle.
6703

Vaginal papilloma of the cat.
6706

Properties of the in vitro soluble RNA methylase activity of hamster tumors induced by adenovirus-12.
6713

Establishment and characterization of a feline neurofibrosarcoma (FNFS) cell line.
6746

Herpesvirus in Marek's disease tumors.
6800

Notes on the spontaneous pathology of the dog in the laboratory. 2nd note: Hematoma of the spleen.
6850

Notes on the spontaneous pathology of the dog in the laboratory. 1st note: Leiomyosarcoma of the mesentery in a female dog.
6851

Adrenal neoplasms in slaughtered cattle.
6877

Toxicity of pesticides to man: Risks from present levels.
7107

NEOPLASTIC DISEASES
A contribution to the knowledge of trophism in rabies virus.
6566

NEOPLECTANA
The nematodes DD-136 (Neoaplectana sp.) and Neoaplectana carpocapsae Weiser, 1955 (Rhabditoidea) as insect parasites. A literature review.
5499

NEORHYNCHOCEPHALUS TAUSCHERI
Notes on Rhynchocephalus tauscheri Fischer (Diptera: Nemestrinidae).
5116

NEPHANTIS SERINOPA
Diseases and pests of coconut in Kerala.
5814

A mite to combat coconut caterpillar.
6218

NEPHOTETTIX
Dwarf, yellow dwarf, stripe, and black-streaked dwarf diseases of rice.
5968

Leafhopper transmission of transitory yellowing of rice.
6167

Vectors of rice viruses in Asia.
6228

NEPHOTETTIX APICALIS
Transitory yellowing of rice in Taiwan.
6097

NEPHOTETTIX BIPUNCTATUS
Virus disease that resembles Tungro .
6048

NEPHOTETTIX CINCTICEPS
Effect of aerial spraying for the control of green rice leafhopper in autumn. Transl. 17058.
5425

Electron microscopic studies of rice viruses.
6077

Transitory yellowing of rice in Taiwan.
6097

Ecology of insect vectors, forecasting, and chemical control.
6205

NEPHOTETTIX IMPICTICEPS
Transmission experiments on the tungro virus in Thailand.
5429

Testing rice varieties for resistance to tungro disease.
5997

Penyakit merah disease, a virus infection of rice in Malaysia.
6085

NEPHRITIS
The isolation of Leptospira sejroe from the kidneys of aborting cattle.
6724

NEPIDAE
Centromere nature of the chromosomes of Ranatra (Heteroptera).
5701

NEPYTIA
A new species of Nepytia from the southern Rocky Mountains (Lepidoptera: Geometridae).
5134

NERVES
Modifications of the Bodian technique applied to insect nerves.
5263

The spike-frequency in motor neurons of the cockroach Periplaneta americana L.
5595

Some observations on Marek's disease (fowl paralysis).
6595

Neurosecretory cells in the ventral nerve cord of leech (Hirudinaria granulosa).
6973

Interaction of DDT with the components of lobster nerve membrane conductance.
7190

NERVOUS SYSTEM
Study of variations in neurosecretion at the level of the brain and the sub-esophageal ganglion in the female imagos of Rhodnius prolixus (Stal) Hemiptera.
5202

Histophysiological studies on neurosecretion in the ventral nervous system of Rhodnius prolixus Stal (Hemiptera) during the imago stage.
5213

The action of extracts of parasympathetic organs and corpora cardiaca on diuresis in several insects.
5225

A sodium and potassium stimulated adenosine triphosphatase in the cockroach nerve cord.
5337

Medium and long-term changes in the behavior of visual neurones in the tritocerebrum of locusts.
5371

Ionic composition of haemolymph and nervous function in the cockroach, Periplaneta americana L.
5528

Morphologic and histochemical studies on the nervous system of tapeworms revealed by the cholinesterase method (Taenia hydatigena, Dipylidium caninum and Moniezia expansa).
6963

DDT. Sublethal effects on brook trout nervous system.
7087

NESTING
Nest architecture and brood development in a neotropical bumblebee, Bombus atratus.
5578

NEUROFIBROMA
Establishment and characterization of a feline neurofibrosarcoma (FNFS) cell line.
6746

NEUROPTERA
Two new Inocelliidae species from Asia (Neuroptera, Raphidiodea).
4991

NEUROSECRETION
The diversity of cell types in the neurosecretory system of the beetle Blaps mucronata.
5308

NEUROTROPIC VIRUSES
A possible role of blood-sucking mosquitoes in spread of arbovirus infection in the area of the Zaisan Lake.
5747

NEW CALEDONIA
Anatea, an ant-mimicking Theridiid spider from New Caledonia (Araneae: Theridiidae).
5555

NEWCASTLE DISEASE
Newcastle disease in poultry.
6455

Immune response of chickens to six strains of Newcastle disease virus as measured by hemagglutination-inhibition test.
6517

Newcastle disease in Francolinus francolinus, Francolinus pondicerianus and in Bambusciola thoracica.
6588

Ranikhet disease can be controlled.
6638

The use of an avian polyvalent vaccine in central Africa.
6780

Central African utilization of a polyvalent avarian vaccine.
6781

NEWCASTLE DISEASE VIRUS
The precision of virus end-point determinations.
6458

The effect of quaternary ammonium compounds on Newcastle disease virus and parainfluenza virus.
6670

Neuraminidase activity of the Newcastle disease virus. I. A study of the enzyme activity in differently cultivated strains.
6847

NICKEL
Nickel toxicity in young growing mice.
7212

Use of an electron capture detector in gas chromatography. III. An example of its application. A study of the response of some chlorinated and phosphorated pesticides.
7340

NICKEL COMPOUNDS
Use of nickel morpholine dithiocarbamate as a nematocide. Patent 3,450,817.
6287

NICOTIANA
Flavone composition, flowering, and hypersensitivity to virus in vegetables.
7281

NICOTIANA GLUTINOSA
Effects of kinetin and actinomycin D on the susceptibility of Nicotiana glutinosa L. to infection by tobacco mosaic virus.
6022

NICOTINAMIDE ADENINE DINUCLEOTIDE
Nicotinamide-adenine dinucleotide-linked form of lactic dehydrogenase of the symbionts and fat bodies of a cockroach.
5295

NILAPARVATA LUGENS
Collecting method and preliminary analysis of the soluble salivary secretions of the planthoppers.
5618

NINHYDRIN REACTION
Nitrogenous compounds in the xylem sap of American elms with Dutch elm disease.
6083

NITIDULIDAE
A new species of Epuraea associated with eastern gall rust (Coleoptera: Nitioulidae).
5066

The genus Lasiodactylus Perty in Japan (Coleoptera: Nitidulidae).
5067

NITRATED PHENOLS
Application of herbicides in pulse crops.
6339

Weeds in barley and their control.
6381

Study of certain herbicides against weeds in garden peas.
6392

Industrial fertilizers as herbicides seen in the light of new and old experiments. 7102

NITRIFICATION
The effect of some herbicides on the nitrification in soils. 6373

NITRILES
Complex addition products of phosphorus pentafluoride and substituted nitriles. Patent 3,438,983. 7331

NITRITES
Retention and transformation of anhydrous ammonia in soil and effects on foot rot Fusaria. 6088

NITRO-4-HYDROXYPHENYLARSONIC ACID, 3-
Notice of filing of petition for food additives. 7157

NITROFURANS
The effect of furan series' carboxylic acid N, N-bis-(2-chloroethyl) hydrazides and N, N-bis-(2-chlordethyl) amides on the growth of transplantable tumours and haematopoiesis of rats and mice. 6543

NITROFURAZONE
Postirradiation modification of ultraviolet-sensitivity of normal and nitrofurazone-resistant strains of the blue-green alga Anacystis nidulans. 7217

NITROGEN
Range recovery and production as influenced by nitrogen and 2,4-D treatments. 5826

Studies on Botrytis cinerea in tomatoes. Effect of soil nitrogen level and of methods of deleafing upon the occurrence of B. cinerea under commercial conditions. 6118

Stubble burning helps control Wimmera rye grass. 6362

Broadleaf weed control in rice. 6370

On the permanent bedding of chicken. Some technical and hygienic-sanitary questions. 6414

Production of cellulase, antibiotic and antitumor substances by growing Eumyces ATCC 16425 Patent 3,438,864. 6445

Histopathological examination of the kidneys of a ram who died of a urethral obstruction due to sedimentosis. 6646

Influence of various strains of the Aujeszky virus on the metabolism of cells cultured in vitro. 6658

Effect of paraquat on the nitrogen content and regrowth of Coastal bermudagrass (Cynodon dactylon (L.) Pers.). 7219

Nitrogen metabolism in developing seeds of Vicia faba. 7225

Influence of atrazine and varied carbon and nitrogen amendments on growth of Sclerotium rolfsii and Trichoderma viride in soil. 7236

Studies on the molybdenum availability. Part I. Molybdenum uptake by plants under different nitrogen and phosphorus nutrition. 7288

Lodging in wheat and its control by (2-chloroethyl) trimethylammonium chloride (CCC) in solid form. 7308

Nitrogen increases bell pepper susceptibility to bacterial soft rot. 7309

Effects of 2-chloroethyl-trimethylammonium chloride (CCC) on yield and lodging of wheat. 7313

Substituted and unsubstituted N-lower alkyl benzhydrylcarbamates as herbicides. Patent 3,431,099. 7358

Pesticidal compositions comprising N-substituted gamma hydroxycarboxylic acid amides. Patent 3,436,463. 7359

NITROGEN COMPOUNDS
Nitrogenous compounds in the xylem sap of American elms with Dutch elm disease. 6083

An observation on the influence of nitrogen fertilization on the attack of peas by powdery mildew (Erysiphe polygoni DC). 6131

NITROPHENOL, P
Asymmetrical para-nitrophenyl phosphates. Patent 3,444,274. 7370

NITROSO COMPOUNDS
On the reversible character of delayed mutations induced by nitrosocompounds in Drosophila melanogaster. 5730

NITROSOGUANIDINE
Reaction of nitrosoguanidine (N-methyl-N'-nitro-N-nitrosoguanidine) with tobacco mosaic virus and its RNA. 6081

On the repair of the damages induced by N-methyl-N'-nitro-N-nitrosoguanidine in the bacterial DNA. 7373

NITROXINIL
Tolerance of sheep to parenterally administered iqdo-3 hydroxy nitbo-5 benzonitril. 7168

NOCARDIA CAVIAE
Canine nocardiosis due to Nocardia caviae. 6733

NOCARDIOSIS
Canine nocardiosis due to Nocardia caviae. 6733

NOCTUIDAE
Two Noctuidae new for the fauna of Belgium. 5022

Entomological results of catches in the area of San Bernardino (Misox Gr), which has not been fully explored lepidoterologically. (A building block of the Swiss Lepidoptera fauna). 5147

Continuous variation in related species of the genus Catocala (Noctuidae). 5180

Life history notes on Lithophane subtilis (Noctuidae). 5270

Life history of Heliolonche carolus (Noctuidae). 5354

Behavioral adaptations of cryptic moths. I. Preliminary studies on bark-like species. 5583

Sex pheromones of noctuid moths. XIII. Changes in pheromone quantity, as related to reproductive age and mating history, in females of seven species of Noctuidae (Lepidoptera). 5603

Feeding mechanism of a fruit-sucking moth Othreis materna (Lepidoptera: Noctuidae). 5623

Seasonal distribution, sex ratios, and mating of female noctuid moths in blacklight trapping studies. 5655

Metabolism of organophosphorus insecticides. IX. Distribution, excretion and metabolism of dimethoate Prodenia lituria. (abstract). 5690

Damage caused by adults of Lepidoptera Noctuidae in mango fruits in 1964. 6145

Control of insects on alfalfa and red clover. 6185

Insect pests of barley and their control. 6231

Studies on the antifeedant against the catterpillars of Pericallia ricini F. (Arctiidae) and Spodoptera littoralis Boesd. (Noctuidae: Lepidoptera) on castor (Ricinus communis L.). 6259

Annual pest control programs for Central California. 6260

NODOSTOMA SUBCOSTATUM
The banana beetle can be checked. 6244

NOMENCLATURE
Undescribed species of nematocerous Diptera. IX. 4983

The butterfly in the vernacular. 5079

What is Psallus dilutus Fieber 1858 (Hem.,Het.,Miridae. 5165

Pest control by the biological method. 5523

Zoological nomenclature in the Jet Age. 5577

Integrated and harmonious control of insect pests. 5667

Report of the Committee on Nomeclature of Rice Virus Diseases. 6031

Weeds and man. 6325

NORBORMIDE
Thieves in the poultry house. 7041

NOREA
Pre-emergence weed control in the nursery. 6383

Microbial degradation of five substituted urea herbicides. 7276

NOVOBIOCIN
Observing the sensitivity of Francisella tularensis to antibiotics in vitro. 6621

Novobiocin for use in chicken and turkey feed. Drugs for veterinary use; drug efficacy study implementation. 7176

NOZZLES
Chemical growth inhibition in turf. 6349

Spray nozzles must be recalibrated at regular intervals. 7390

The microfoil boom. 7394

Log-normal spray drop distribution analyzed by two new computer programs. 7402

NUCLEAR MAGNETIC RESONANCE
Nuclear magnetic resonance studies of phosphorus(V) pesticides- III, the hydrolysis of aliphatic pesticides by aqueous solutions. 7347

NUCLEIC ACIDS
Action of proteinic brain hormone to the prothoracic gland in an insect, Bombyx mori L. (Lepidoptera: Bombycidae). 5412

Nucleic acid content of a diploid and of a triploid strain of Drosophila melanogaster. 5705

Potato spindle tuber virus: A plant virus with properties of a free nucleic acid. I. Assay, extraction, and concentration. II. Characterization and partial purification. 6051

Susceptibility of scrapie agent to ionizing radiation. 6575

Effect of trifluralin on growth, morphology, and nucleic acid synthesis. 7292

NUCLEOPROTEINS
Assembly of protein and nucleoprotein particles from extracted tobacco rattle virus protein and RNA. 6074

NUCLEOSIDES
Enhancement by 2,4-dichlorophenoxyacetic acid of chromatin RNA polymerase in soybean hypocotyl tissue. 7278

NURSERIES
Some observations and comments on stem-pitting of peach, its control and a nursery improvement program. 5782
Lemon scab (Sphaceloma fawcettii scabiosa). 6029
Use of herbicides in coffee nurseries with full exposure to sun. 6324
Weed control in nursery sod. 6371
Pre-emergence weed control in the nursery. 6383
Methods of chemical weed control. 6391
Studies on the weed control in the paddy field. I. On the herbicidal weed control in wet and dry nurseries. II. On the herbicidal weed control at the early stage of rice plants in the paddy field. 6401

NURSERY STOCK (HORTICULTURE)
Regulation in connection with field and greenhouse culture of nursery plants. 6284

NUTRIENT SOLUTIONS (PLANTS)
Conversion of DDT to DDD in soil and the effect of these compounds on soil microorganisms. 5809
Effect and compatibility of nutrient sprays with insecticides and fungicides for groundnut (A. hypogea). 6063
Matricaria and lambsquarter control in Brassicas with analogs of propachlor. 6368
Antifungal action of a phosphate ester pesticide, O-Mchlorophenyl O,O-dimethyl phosphorothioate, used in nutrient media for fungi. (abstract). 7175
Effects of dimethyl sulfoxide on the biological activity of selected miticides and insecticides. 7280

NUTRITION
Nutritional behavior of Trogoderma granarium Everts (Coleoptera: Dermestidae) on leguminous seeds. 5230
Report on forest research for the year ended March 1968. 5845
Nutritional requirements of Pasteurella tularensis for growth from small inocula. 6609
An endogenously produced substance essential for growth initiation of Pasteurella tularensis. 6610
Trichinella spiralis: Immune elimination in mice. 6935
Toxicity of pesticides to man: Risks from present levels. 7107

NYMPHALIDAE
Chemotaxonomy and chemomimicry: The case of 3-hydroxykynurenine. 5006
Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. LXXVIII. Lepidoptera: Nymphalidae, Danaidae and Riodinidae. 5034
First records of two butterflies in Wisconsin (Nymphalidae, Pieridae). 5098
A new foodplant for Euphydryas phaeton (Nymphalidae). 5487
Sounds produced by Neptis hylas (Nymphalidae). 5596

NYMPHS
A key to all stages of the British species of the family Neobisiidae (Pseudoscorpiones: Diplosphyronida). 5037
The induction of NAD kinase by DDT in Triatoma infestans. 5182
The distribution of nymphs of Brachyptera risi Mort. and Nemoura flexuosa Aub. (Plecoptera) in relation to oxygen. 5453

OATS
Kota, a new South Dakota oat. 5775
Avena magna: An important new tetraploid species of oats. 5824
Resistance of genes isolated from Avena sterilis to isolates of oat crown rust prevalent in Canada in 1968. 5928
Experiments on the control of cereal smuts with a derivative of 1,4-oxathiin. 5987
The susceptibility of cereals and wild oats to an isolate of the aster yellows pathogen. 6128
Yield reduction of oats caused by the cereal leaf beetle. 6222
Host range studies of oat blue dwarf virus. 6274
Sources of tolerance to soil-borne oat mosaic virus from the World Oat Collection. 6602
Influence of some herbicides on accumulation of 32P in above-ground organs of oats. 7223
Influence of herbicides from s-triazine group on dynamics of some biochemical processes of oats in test experiments. Part II. Researches on action of propazine, prometrine, and prometone. 7248
Microbial degradation of five substituted urea herbicides. 7276
Influence of simazine on chloroplast metabolism. 7294

OCTOSPOREA
An octosporeosis of the black blowfly Phormia regina: Effect of temperature on the longevity of diseased adults. 5419

ODOIPORUS LONGICOLLIS
A technique for maintenance and rearing of Odoiporus longicollis. 5424

ODONATA
A new species of Lestinogomphus Martin 1912 (Odonata), and the hitherto undexcribed male of Microgomphus camerunensis Longfield 1951. 5038
Adults of Eumegacetes artamii from white leghorn pullets infected with the metacercariae from two dragonflies. 7009

ODONTOGLOSSUM
Some experiments on the transmission of Cymbidium mosaic virus and Odontoglossum ringspot virus. 5970

ODORS
Odour similarities between the slave-keeping ants Formica sanguinea and Polyergus rufescens and their slaves Formica fusca and Formica rufibarbis. 4965
Insect venoms, attractants, and repellents. XI. Massoilactone from two species of formicine ants, and some observations on constituents of the bark oil of Cryptocarya massoia. 5257
Biologically active compounds in orchid fragrances. 5290
Host preferences and discrimination by the mosquitoes Aedes aegypti and Culex tarsalis (Diptera: Culicidae). 5461
Microbial degradation of aromatic compounds. 7346

OECOPHORIDAE
Male genitalia of the species of Depressaria Haworth s. l. (Lepidoptera, Oecophoridae) occurring in the Netherlands (Addenda). 5427

OEDEMERIDAE
Catalogue of the Oedemeridae of Italy (Coleoptera). 5095

OESOPHAGOSTOMIASIS
The investigation of alkaline phosphatase in the feces of pigs during experimental oesophagostomosis. 6931

OESOPHAGOSTOMUM
A comparative study of the activities of 2,6-diiodopara-nitrophenol (Disophenol) and 2-para-thiazolylbenzimidazole (Thiabendazole) as anthelmenthic for sheep. 6999
Treatment of gastrointestinal parasitism of cattle with Parbendazole. 7004
Anthelmintic treatment of sows with thiabendazole. 7015

OESOPHAGOSTOMUM LONGICAUDUM
Note on Bourgelatia diducta, Oesophagostomum longicaudum and Globocephalus urosubulatus (Nematoda-Strongylidea) in swine of Minas Gerais, Brazil. 6911

OESOPHAGOSTOMUM RADIATUM
Amino acid composition of some strongyle parasites of cattle. 6952
Epidemiology of helminth infestation of beef cattle in central Queensland. 7019

OESTRIDAE
Observations of defence reactions to oestrid flies by semidomestic forest reindeer (Rangifer tarandus L.) in Swedish Lapland. 6891

OILS
Insect and mite control on ornamentals. 5471
Report of the Suffolk County Mosquito Control Commission. 5633
On the larvicidal action of crude cashewnut shell oil. 5757
Ultra low volume spraying of cotton. 5822
Results of tests of fall colza varieties 1963-1966. 6120
Baits for the control of leaf-cutting ants. I. Formulation. 6166
Postemergence weed control in soybeans. 6378

OILSEEDS
Controlling diseases of oilseed crops. 6046

OLETHREUTIDAE
The genera of Palearctic Tortricidae. II. The subfamily Olethreutinae 7th part. Eucosmini (Heinr. 1923) tribe--continuation. 5115

Observation on Laspeyria pactolana Zell.: A pyralid of verticillate Picea. 5214

European pine shoot moth. 5663

OLIGONYCHUS UNUNGUIS
Mites collected from Douglas-fir foliage in Montana. 5030

OLIVE OIL
Insect hormones: Olive oil is not an inert vehicle for hormone injection into locusts. 5250

OLIVES
1967: The results of artificial biological control of the olive fly. 5480

Indications on plant care for olive crop cultivation. 6192

ONCHOCERCIASIS
On the biology of Simulium damnosum Theobald, 1903, the main vector of onchocerciasis in the Mahenge Mountains, Ulanga, Tanzania. 5360

ONCOPELTUS FASCIATUS
Studies on the mode of action of the chemosterilants 5-imidazolidinone and 4-imidazolin-2-one in the house fly and in the large milkweed bug. 5591

Lipids in the melanic mutant of the large milkweed bug, Oncopeltus fasciatus. 5689

ONIONS
The germination of conidia and the appressoriun formation of Alternaria porri on the surface of onion leaves. 5860

Control of Armillaria mellea with systemic chemicals. 6018

ONOPORDUM ACANTHIUM
Some factors affecting germination and seedling growth of scotch thistle (Onopordum acanthium L.). 7293

ONTOGENY
Synoptic tables of larvae and imagos of the species of the family Chrysotribax Reitter. (Col. Carabidae). 5548

OOGENESIS
Utilization of larval cholestrol-4-C14 for reproduction in house flies fed unlabeled cholesterol in the adult diet. 5481

Oogenesis in the parthenogenetic stick insect Sipyloidea sipylus Westwood (Orthoptera, Phasmidae). 5529

Accessory glands of female Culex pipiens quinquefasciatus Say and autogenous Culex pipiens pipiens L. (Diptera, Culicidae): Appearance and behavior in relation to oogenesis. 5567

OOSPORA PUSTULANS
Interactions of Oospora pustulans, Rhizoctonia solani and Heterodera rostochiensis on the potato. 5917

OPEROPHTERA BRUMATA
Effects of the winter moth on growth and mortality of red oak in Nova Scotia. 6173

OPHIOBOLUS GRAMINIS
Saprophytic survival of Ophiobolus graminis on various hosts. 5889

Notes on the appearance in France of Ophiobolus graminis, avenae variety. 5995

Control of survival of Ophiobolus graminis between consecutive crops of winter wheat. 6072

OPILIOACHARIDAE
Studies on Opilioacarida (Arachnida). II. Redescription of Paralarus hexophthalmus (Redikorzev). 5350

OPIUS
1967: The results of artificial biological control of the olive fly. 5480

OPSONINS
Immunity in the invertebrates. I. Studies on the naturally occurring haemagglutinins in the fluid from invertebrates. 5462

OPTICS
The sexual difference in the silk worm cocoons relative to the optical properties. 2. Fluorescent spectro-characteristics of cocoons. 4973

Pigment movement and the crystalline threads of the firefly eye. 5372

ORANGES
Decline of citrus trees in the regions of Araraquara and Bebedouro. 6059

Systemic activity of UC-21149 against the citrus red mite, citrus thrips, California red scale, and spirea aphids on nonbearing orange trees. 6265

Burrowing nematodes may survive on variants of milam lemon. 6290

ORCHARDS
Botran used as an orchard spray vs. Botran in the hydrocooler and control of post-harvest decay of peaches. 5904

Some observations on the effects of using organochlorine sprays in an orchard. 7098

ORCHIDACEAE
Biologically active compounds in orchid fragrances. 5290

Botrytis flower spot control in orchids. 6037

ORCHOPEAS
Ectoparasites and helminth endoparasites of the tree squirrels of southwest Tennessee. 6982

ORGANIC COMPOUNDS
Some observations on tobacco yellow dwarf control. 6033

Interaction of pesticides with natural organic material. 7081

Effects of organic arsenical herbicides on cotton response and chemical residues. 7222

Microbial degradation of aromatic compounds. 7346

ORGANIZATIONS
Practical organization of field mice control. 6403

The organization of the collective prophylaxis of infectious animal diseases in France. 6520

The organisation of the australian poultry industry and its influence on disease. 7405

ORGANOPHOSPHATE COMPOUNDS
Grasshopper control, 1969. 5411

ORGANOPHOSPHORUS COMPOUNDS
Ants in the home and garden; how to control them. 5184

How to control bed bugs. 5185

The question of resistance to pesticides. 5207

Cotton pests control by ultra low volume spraying from the air. 5228

Effects on aquatic insects of forest spraying with phosphamidon in New Brunswick. 5336

Gesapon for insect pests. 5387

Insects and related pests of house plants; how to control them. 5395

The biology and control of the Ceanothus stem-gall moth, Periploca ceanothiella (Cosens). 5446

Control of pasture Aedes mosquitoes by dripping larvicides into flowing water, with notes on residues in a pasture habitat. 5486

Trial of carbophos on larvae of Aedes and Culex mosquitoes. 5504

New strategy against the codling moth. 5520

Pasture mosquito resistance in California. 5590

Insecticidal and acaricidal effect of some binary mixtures. 5627

Relative susceptibility of stored-product insects to insecticides. 5631

Lace bugs. 5661

Bagworm. 5662

Metabolism of organophosphorus insecticides. IX. Distribution, excretion and metabolism of dimethoate Prodenia lituria. (abstract). 5690

Unique problems in insect and pest control of NASA's Mississippi Test Facility. 5755

Crop protection; computers, simazine, corn seed beetle. 5780

Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen. 6150

Studies on the strawberry mite (Tetranychus telarius (L). 6161

Control of some pests of evergreens. 6162

Study of the control of Antonina graminis (Maskell)--curse of hay (Digitaria pentzii) with granular systemic insecticides. 6175

Description, damage and control of the southwestern corn borer. 6188

Alfalfa weevil control, 1969. 6206

Grasshopper control 1969. 6207

The oriental fruit moth and its control. 6223

Insect pests of barley and their control. 6231

The principle insect pests of beets and the means of their control in turkey. 6234

Essay on insecticidal treatments on the apple fruit fly, Rhagoletis pomonella (Walsh) in southwest Quebec. 6237

Diapause gets 95 per cent kill. 6243

The problem of leaf hoppers on paddy. 6252

Fruit spray program for the home orchardist. 6257

Orangeworms in interior districts of Southern California. 6306

Method for destroying undesirable plant life. Patent 3,450,520. 6375

Advances in cattle ectoparasite control with a discussion of some problems related to treatment with systemic insecticides. 6902

1969, controlling insects on sheep and goats. 6905

Coumaphos, a new anthelmintic for control of Capillaria obsignata, Heterakis gallinarum, and Ascaridia galli in chickens. 6940

Fumigate stored rice to reduce loss to insects. 7030

Laboratory tests of five new insecticides as protectants for stored rough rice. (abstract). 7031

Investigation of sheep dips. 3. The influence of breed on stripping and deposition in the fleece of diazinon. 7124

Some effects of diazinon on the microflora of submerged soils. 7133

High praise for low volume insecticide spraying. 7136

Effects in warmblooded animals of thiometon (2-ethylthioethyl o,o-dimethylthiophosphate) ingested in drinking water. 7149

Studies on a series of branched-chain analogs of diethyl malathion and malaoxon with regard to toxicity and in vitro enzymatic reactions. (abstract). 7151

Economic poisons containing certain pesticide chemicals for certain uses. Cancellation of registration. 7170

Degradation and activation of parathion analogs by microsomal enzymes. 7189

Clinical and laboratory notes on parathion poisoning in fowl, screening availabilities in meat and various tests. 7196

Poisoning on the farm. A report of a case of organophosphorus poisoning. (abstract). 7197

Combined action of DDT with chlorophos and of thiophos with chlorophos. 7206

Biochemical studies on the teratogenic action of Bidrin and other neuroactive agents in developing hen eggs. 7207

Juice quality of grapefruit following June versus September applications of a 412 paraffinic petroleum oil with data on control of certain pests. 7238

Thin-layer chromatographic-enzymatic identification of organophosphorus insecticides. Actiuation of weak esterase inhibitors. 7324

Organophosphorus pesticides. A gas chromatographic screening technique based on the detection of methylated hydrolysis products. 7326

Fungicidal compositions and methods using mesomeric phosphonium compounds. Patent 3,445,570. 7329

Use of an electron capture detector in gas chromatography. III. An example of its application. A study of the response of some chlorinated and phosphorated pesticides. 7340

Degradation of the insecticide GS 13005 in the rat. Elucidation of the structure of the most important metabolites. 7341

Nuclear magnetic resonance studies of phosphorus(V) pesticides- III, the hydrolysis of aliphatic pesticides by aqueous solutions. 7347

Method for deodorizing O,O-dialkyl S-(alkylthio)alkyl phosphorodithioates. Patent 3,439,071. 7357

Spiro thiophosphates. Patent 3,445,468. 7367

The chemistry of GS 13005, a new insecticidal phosphoric acid ester. 7368

ORGANOTIN COMPOUNDS
Organotin or mercury (carboxy hydrocarbylene amides). Patent 3,446,827. 7371

ORIBATEI
Some regularities in the zonal distribution of oribatoid mites. 5421

ORIBATIDAE
Considerations on the classifications of the Oribatidae. Their division into six major groups. 5048

ORIENTAL REGION
A contribution to the systematics of Oriental and Australian Blissinae (Hemiptera: Lygaeidae). 5144

The distribution and host-range of the Shot-hole Borer (Xyleborus fornicatus Eichh.) of tea. 5278

ORNAMENTAL PLANTS
Inflated plastic bags as cages for insects on potted plants. 5212

Insect and mite control on ornamentals. 5471

Plant protection. Bulletin of the plant protection station of Geneva. January. 5844

The powdery mildews on the ornamental plants. 5982

Plant protection. Bulletin of the plant protection station of Geneva. 6094

Insects on trial in fight against lantana. 6276

Results of herbicide tests carried out in 1966 by the Vegetable Protection Service. 6326

ORNITHINE
Arginine metabolism in germinating seeds of some members of the leguminosae. 7255

ORNITHODOROS
Some remarks on the tampans of the Ornithodoros moubata complex in southern Africa. 5102

ORNITHONYSSUS BURSA
Lice and mites in poultry. 6890

ORNITHOSIS
Outbreak of ornithosis in a flock of carrier pigeons in Copenhagen. 6584

A study of experimental ornithosis in the white mouse infected through the peritoneal cavity. 6751

OROSIUS ARGENTATUS
Some observations on tobacco yellow dwarf control. 6033

ORTHOPODOMYIA
Distributional and biological notes on the tree hole mosquitoes of the western United States. 5112

ORTHOPTERA
A sound-activated method for recording insect activity. 4970

Wingless Camel Crickets in Lancashire. 4993

The modification of embryologic differentiation processes through total radiotherapy in eggs of Gryllus domesticus. 5362

ORYZAEPHILUS SURINAMENSIS
Temperature effects on the toxicity of five insecticides against five species of stored-product insects. 5384

OSMOTIC PRESSURE
Measurements of the osmotic pressure in the habitat of Polymorphus minutus (Acanthocephala) in the intestine of domestic ducks. 6930

OSTEODYSTROPHY
Feline osteodystrophy, its treatment and prevention. 6639

OSTERTAGIA
Treatment of gastrointestinal parasitism of cattle with Parbendazole. 7004

OSTERTAGIA OSTERTAGI
Effects of gastrointestinal nematode parasites on performance in feedlot cattle. 6912

Amino acid composition of some strongyle parasites of cattle. 6952

OSTERTAGIASIS
Bovine Ostertagia infection. Bibliography organized around the disease, its treatment, and its prevention. 6997

OSTRINIA NUBILALIS
Insecticidal field treatments for the control of the European corn borer. Ostrinia nubilalis (Hubner) in Southwestern Quebec, 1967. 6193

Timing insecticide applications for European corn borer control in Southwestern Quebec, 1967. 6194

Influence of certain insecticides applied for the control of Ostrinia nubilalis Hbn. on the weeds of treated surfaces. 6372

OULEMA MELANOPUS
Watch for the cereal leaf beetle. 5186

Chromosomes of the cereal leaf beetle. 5729

Yield reduction of oats caused by the cereal leaf beetle. 6222

OVA
On the transport of microorganisms (Phi particles) by the female germinal cells in the homopteran Typhlocyba douglasi Edw.. 5454

OVARIAN CYSTS
Use of potassium iodide in the treatment of ovarian cysts in cows. 6552

OVARIES
Ovarian response to corpus allatum in Iphita limbata Stal.. 5386

Attempts to induce crossing-over in Drosophila melanogaster males with ovarian extracts. 5739

Ovarian cycle in cows with irregular estrus cycles. 6644

OVIDUCTS
The morphologic response of the turkey oviduct to certain pathogenic agents. 6483

OVIPOSITION
The validity of the separation of Thrips physapus L. and T. hukkineni Priesner (Thysanoptera: Thripidae). 5166

On the biology and ecology of the opilionid Mitopus morio F..
5644

Resistance to boll weevil (Anthonomus grandis Boh.) oviposition in cotton.
6197

OVIPOSITORS
Temperature and humidity effects on the oviposition of Hyalomma aegyptium ticks of different engorgement weights.
5637

OVULATION
Observations on two species of Culex of the subgenus Melanoconion.
5349

The significance of oviposition rates in the egg parasite, Trichogramma embryophagum Htg..
5410

Biology of Dufourea and of its cleptoparasite, Neopasites (Hymenoptera: Apoidea).
5646

Influences of an anti-ovulatory compound on the expression of vitamin D deficiency signs in laying hens.
6518

Method of controlling reproductive cycle with 6alpha - methyl - 17alpha hydroxyprogesterone 17-acetate. Patent 3,444,296.
7374

OXALIS VIOLACEA
The weed vegetation of flower beds and irrigated cultivations in Cairo and some adjacent provinces.
5837

OXATHIIN, 1,4-
Experiments on the control of cereal smuts with a derivative of 1,4-oxathiin.
5987

OXATHIINS, 1,4-
Field evaluation of a derivative of 1,4-oxathiin for control of cereal smuts.
5986

OXIDATION
Oxidative metabolism of C14-labeled Baygon by living house flies and by house fly enzyme preparations.
5604

OXIDATION-REDUCTION POTENTIAL
The decarboxylation of luciferin in firefly bioluminescence.
5531

Electro-reduction of dieldrin and aldrin.
7378

OXIDES
Controlling stem-end rot of ripe mango.
6035

OXYDEMETONMETHYL
The biology and control of the Ceanothus stem-gall moth, Periploca ceanothiella (Cosens).
5446

Systemics, a new tool for the home gardener.
5688

Factors affecting the appearance of holly oaks in Southern California.
6160

OXYGEN
The distribution of nymphs of Brachyptera risi Mort. and Nemoura flexuosa Aub. (Plecoptera) in relation to oxygen.
5453

Observations on the oxygen consumption of tsetse larvae (Glossina morsitans).
5542

The oxygen binding properties of some larval hemoglobins of Chironomus th. thummi.
5606

The behaviour of Chaoborus Licht. larvae under unfavourable oxygen conditions.
5608

2,4-D metabolism; enzymatic degradation of chlorocatechols.
5785

Comparative studies on blood-stream and culture forms of Trypanosoma lewisi--I. Oxygen utilization, carbon dioxide production and glucose uptake.
6625

Oxygen and carbon dioxide affect the growth of wood-decaying fungi.
7027

Conversion of DDT to DDD by pathogenic and saprophytic bacteria associated with plants.
7254

Effect of the triazine herbicides simazine and atrazine upon young plum trees.
7260

OXYOPES SALTICUS
Response of the striped lynx spider, Oxyopes salticus, to two commonly used pesticides.
5550

OXYURIDAE
A comparative analysis of the localization of cholinesterase activity in some parasitic nematodes. II. Ascaris suum, Parascaris equorum, Neoascaris vitulorum and Oxyuris equi.
7021

PACHYDIPLOSIS ORYZAE
Effect of natural parasitization on the population of paddy gallfly, Pachydiplosis oryzae Mani.
5546

PACKING MATERIALS
Controlling stem-end rot of ripe mango.
6035

The permeability of protective clothing and packing materials in regard to insecticidal phosphoric acid derivatives.
7339

PALEOENTOMOLOGY
A key to the Ipswich fossil beetles (Coleoptera) from the Permian of Australia.
4981

PALMAE
Aphytis mytilaspidis (Le Baron), a parasite of Parlatoria blanchardi (Targ) in the palm plantations of the Adrar region of Mauritania.
6211

Insect pests of palm trees.
6230

PANICUM
Growth characteristics and herbicide susceptibility of Texas Panicum.
7232

PANICUM MAXIMUM
Occurrence of accessory chromosomes in Panicum maximum Jacq..
7253

PANONYCHUS CITRI
Systemic activity of UC-21149 against the citrus red mite, citrus thrips, California red scale, and spirea aphids on nonbearing orange trees.
6265

PANONYCHUS ULMI
Integrated control of fruit tree pests. Orchard mites. Orchard insects.
5292

PANTELIELLA
Cynipinae (Hymenoptera) occurring on Phlomis L.
5128

PANTOMORUS GODMANI
Growing camellias.
5859

PAPAVER
Insect-flower associations in the high Arctic with special reference to nectar.
5366

PAPAYAS
Field biology and control of Phytophthora parasitica on papaya (Carica papaya) in Hawaii.
5967

PAPILLOMA
Vaginal papilloma of the cat.
6706

PAPILLOMA VIRUSES
Influence of a papilloma vaccine on chronic bovine enzootic hematuria.
6757

PARACOLOBACTRUM ARIZONAE
Isolation of Arizona 7:1,7,8 from litter of pens housing infected turkeys.
6824

PARAFFIN OILS
Juice quality of grapefruit following June versus September applications of a 412 paraffinic petroleum oil with data on control of certain pests.
7238

PARAGONIMUS
Worm control in swine.
6942

PARAGORDIUS
The infection of immature aquatic insects by larval Paragordius (Nematomorpha).
5167

PARAINFLUENZA-1 VIRUS
Sequence of RNA synthesis in chick fibroblasts infected with Sendai virus.
6503

The effect of quaternary ammonium compounds on Newcastle disease virus and parainfluenza virus.
6670

PARALYSIS
Bromolysergic acid diethylamide in physiological studies of lepidopterous larvae.
5199

PARAMETERS
Evaluation of some parameters of the individual energy budget of the larvae of Pteromalus puparum (L.) (Pteromalidae) and Pimpla instigator (Fabr.) (Ichneumonidae).
5264

A model of the plant-to-plant movement of aphids. II. Estimation of parameters and the application.
5602

PARAMPHISTOMUM
Cattle paramphistomatidosis in Polesye.
6972

PARAMYXOVIRUSES
The precision of virus end-point determinations.
6458

PARAQUAT
Recent advances in perennial grass control in avocado orchards.
6350

Chemical weed control in tropical root crops.
6352

Experimental husbandry farm experience with herbicides and tillage systems for cereal growing.
6399

These weeds mean trouble.
7042

Herbicide toxicity.
7155

Effect of paraquat on the nitrogen content and regrowth of Coastal bermudagrass (Cynodon dactylon (L.) Pers.).
7219

PARASITES
Parasites of man and domestic animals in Vietnam, Thailand, Laos, and Cambodia. Host list and bibliography.
6437

PARASITIC INSECTS
Notes on macrochelids associated with manure and coprid beetles in Israel. II. Three new species of the Macrocheles pisentii complex, with notes on their biology.
5013

Epimyodex talpae n. g., n. sp., a sub-cutaneous parasite of the mole in Belgium (Demodicidae: Trombidiformes).
5029

Faunistic studies on some acari of the families Myobiidae and Cheyletidae, parasitizing on small mammals in Bulgaria.
5084

Dennyus aequatorialis n. sp. (Mallophaga: Menoponidae) from the mottled swift, Apus aequatorialis.
5090

A new species of Dermanyssus from marine birds, with observations on its biology (Acarina: Dermanyssidae). 5113

On the knowledge of German fleas. II. Fauna and Ecology of the fleas of birds (Insecta, Siphonaptera). 5121

A widely distributed pine sap injurious, Acanthophila piceana n. sp. (Lep. Gelechiidae) in Latvia. 5150

An acarid (Erythraeidae) parasite of Jassids (Homoptera, Auchenorrhyncha). 5249

Features of microclimatic regimen of habitats of sandflies in a village of Karshinsky Oasis. 5329

Polynema striaticorne Girault (Hymenoptera: Mymaridae), a parasite of the buffalo treehopper, Stictocephala bubalus (F.) (Homoptera: Membracidae), in Quebec. 5465

The biology of Scrapter and its cuckoo bee, Pseudodichrda (Hymenoptera: Colletidae and Anthrophoridae). 5570

Intraspecies competition in a field population of Gregopimpla himalayensis (Hymenoptera: Ichneumonidae) parasitic on Malacosoma neustria testacea (Lepidoptera: Lasiocampidae). 5600

Functional response to host density in a parasitic wasp, with reference to population regulation. 5640

Biology of Dufourea and of its cleptoparasite, Neopasites (Hymenoptera: Apoidea). 5646

Parasite phylogeny problems of the Mallophaga of Passeriformes and Piciformes. 5693

How do native insect parasites behave in relation to imported insect hosts, alien to the native fauna 5695

Some birds of Uruguay parasitized by Ornithoctonia erythrocephala (Diptera, Hippoboscidae). 5754

Bionomics of Drosicha mangiferae (Green) on citrus including new record of its three natural enemies. 6246

Mortality in sheep due to Ixodes species. 6907

Respiratory mites of poultry in the territory of Papua New Guinea. 6909

PARASITISM

The Alysiinate (Hym. Braconidae) parasites of the Agromyzidae (Diptera). V. The parasites of Liriomyza Mik and certain small genera of Phytomyzinae. 5051

Contributions to the knowledge of the family Anoetidae (Acari). 5140

Two species of Copidosoma parasitic on the potato tuber moth (Hymenoptera: Chalcidoidea-Encyrtidae). 5151

Argas (Argas) Japonicus, new species, associated with swallows in Japan and Korea (Ixodoidea, Argasidae). 5174

Parasitism in fall populations of the bollworm (Heliothis zea Boddie) and the tobacco budworm (Heliothis virescens F.) from cotton on the high and rolling plains, 1967. 5235

Evaluation of some parameters of the individual energy budget of the larvae of Pteromalus puparum (L.) (Pteromalidae) and Pimpla instigator (Fabr.) (Ichneumonidae). 5264

Effect of food availability on rates of loss of 45calcium from Hyphantria cunea (Lepidoptera: Arctiidae). 5268

On a new species of Mirzaiella Basir, 1942 from Gryllotalpa africana. 5302

Final report, studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan; June 1961-June 1966. Part I. Scale insects. 5323

Final report, studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan. June 1961 - June 1969. Part II. Fruit flies. 5324

Mosquitoes feeding on insect larvae. 5359

Contribution to the physiology of the guest-host-relations (myrmecophily) in ants. I. The relation between the myrmecophilic Atemeles- and Lomechusa-larvae and Formica. 5369

Heterotylenchus spp. parasitising the Australian bush fly: Additional information on the origin of the parasite of the face fly. 5375

Infection rate of Culex pipiens L. mosquitoes with parasitizing fungus Entomophthora conglomerata Sorok. in the vicinity of Novocherkassk. 5382

Decrease in immunity of insects under the influence of bacterial infection transmitted by hymenopterous parasites. 5385

Certain host-parasite relationships between rodents (Muridae) and fleas (Aphaniptera). 5393

Some observations on flagellate parasites of hemipterans Corimelaena, Euschistus, Gerris, Leptocoris and Oncopeltus in the United States. 5444

1967: The results of artificial biological control of the olive fly. 5480

Note on the ovary, rachis, and spermatheca of an insect parasitic nematode, Contortylenchus elongatus (Massey, 1960) Nickle, 1963. 5497

Recent advances in the physiology and biochemistry of Plasmodia. 5526

Effect of natural parasitization on the population of paddy gallfly, Pachydiplosis oryzae Mani. 5546

Parasites as vectors of granulosis virus of Hadena sordida Bkh. 5599

Aphidofauna of honey plants as a source of subsidiary hosts of aphidiid wasps (Hymenoptera, Aphidiidae). 5628

Basic functions in Bacillus thuringiensis affecting its mode of pathogensis. 5636

Use of some host insects to increase trichogram effectiveness. 5692

Falciparum malaria transmissible from monkey to man by mosquito bite. 5751

Some problems of plant-parasite relationship. 5838

Erysiphaceae (Mycophyta) in the nature preserve of Cheile Turzii. 5871

Ponderosa pine dwarf mistletoe in relation to topography and soils on the Manitou Experimental Forest, Colorado. 5955

Biology of Ascochyta species parasitic on pea plants. 6023

Rare symptoms on Chrysanthemum morifolium infected with Puccinia horiana. 6139

Aphytis mytilaspidis (Le Baron), a parasite of Parlatoria blanchardi (Targ) in the palm plantations of the Adrar region of Mauritania. 6211

Old pests with new appetites. 6215

Cotton and plant parasitic nematodes. 6298

Injury to Heterodera tabacum by high soil temperatures. 6299

A nematode survey of tobacco soils in Rhodesia and Zambia, and the effects of grass-tobacco rotations on nematode populations. 6303

Progress in witchweed control seen as pest fails to spread. 6319

Veterinary science. 6438

Pig diseases. 6489

Resistance of vaccinated mice to typical and atypical strains of Coccidioides immitis. 6635

Plasmodium brasilianum in Columbian monkeys. 6704

An assessment of eimerian lesions in buffalo-calves (Bubalus bubalis) and their significance. 6759

Detection of complement fixing antibody to the agents of tick typhus fever of northern Asia and Q fever in wild animals of the extreme north of western Siberia. 6810

Toxoplasma gondii: Transmission through feces in absence of Toxocara cati eggs. 6811

The impala as a source of food and by-products. Data on production potential, parasites and pathology of free-living impalas of the Kruger National Park. 6880

The occurrence of the capillate louse, Solenopotes capillatus, in South Africa. 6887

A record of the mite, Speleognathus australis, in bovines in South Africa. 6888

Attacks on cattle by mosquitoes and biting midges. 6908

Note on Bourgelatia diducta, Oesophagostomum longicaudum and Globocephalus urosubulatus (Nematoda-Strongylidea) in swine of Minas Gerais, Brazil. 6911

Effects of gastrointestinal nematode parasites on performance in feedlot cattle. 6912

Study indicates most dairy cattle have worms. 6913

Basic,facts on the parasitic nematodes of the sheep (Ovis aries) in tunisia. 6915

Contribution to the problems of toxic action of Ascaridia galli on laboratory animals. 6917

Studies on the pathogenesis of trichocephaliasis in sheep. 6920

Measurements of the osmotic pressure in the habitat of Polymorphus minutus (Acanthocephala) in the intestine of domestic ducks. 6930

Epizootiologic factors of infestation by Trichostrongylidae in ovines in Leon. 6937

A helminthological survey of wild mink in Wisconsin. 6939

Coumaphos, a new anthelmintic for control of Capillaria obsignata, Heterakis gallinarum, and Ascaridia galli in chickens.
6940

Helminthoses as allergic diseases.
6941

The epizootiology of ovine verminous bronchopneumonias in Leon.
6943

The effects of low temperature on the sporulation and survival of oocysts of Eimeria perforans, media, magna and irresidua.
6944

Contribution to the knowledge of parasitic fauna of domestic animals and some game in Vojvodina.
6945

Regional research in nematode parasites of ruminants in the western United States, a 10-year summary, 1958-1968.
6949

The geographical and evolutionary relationships of Australian trichostrongyloid parasites and their hosts.
6955

Study of blood serum of parasitized animals. I. Electrophoresis.
6966

Echinococcus granulosus equinus Williams and Sweatman, 1963 in italy; epizootiological aspects and morphological and biological studies of the parasite.
6968

The guilty fox.
6977

Efficacy of tetramisole on nematode infections of dogs.
6981

Ectoparasites and helminth endoparasites of the tree squirrels of southwest Tennessee.
6982

Blood parasites found in imported birds at postmortem examination.
6987

A survey of parasites in laboratory primates.
6998

A field study of chemical prophylaxis against the developing stages of Dirofilaria limitis in the dog.
7003

Adults of Eumegacetes artamii from white leghorn pullets infected with the metacercariae from two dragonflies.
7009

Anthelmintic treatment of sows with thiabendazole.
7015

Nebraska's specific pathogen-free (SPF) swine program; tenth year report.
7016

PARASITOLOGY
Parasitological situation on the hen farms in Lithuania.
6960

PARATHION
New strategy against the codling moth.
5520

Insecticide resistance in the house fly: Decreased rate of absorption 1s the mechanism of action of a gene that acts as an intensifier of resistance.
5532

Effect of insecticide poisoning on chemoreception in the house fly, Musca domestica vicinaL. (Diptera: Muscidae).
5619

Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen.
6150

Hylemyia cilicrura Rond. on the Dianthus cultures of Pescia and Versilia.
6174

The oriental fruit moth and its control.
6223

The banana beetle can be checked.
6244

Degradation and activation of parathion analogs by microsomal enzymes.
7189

Clinical and laboratory notes on parathion poisoning in fowl, screening availabilities in meat and various tests.
7196

Combined action of DDT with chlorophos and of thiophos with chlorophos.
7206

PARLATORIA BLANCHARDII
Aphytis mytilaspidis (Le Baron), a parasite of Parlatoria blanchardi (Targ) in the palm plantations of the Adrar region of Mauritania.
6211

PARLATORIA PERGANDII
Juice quality of grapefruit following June versus September applications of a 412 paraffinic petroleum oil with data on control of certain pests.
7238

PARTHENOGENESIS
Sex-Determination.
5273

Oogenesis in the parthenogenetic stick insect Sipyloidea sipylus Westwood (Orthoptera, Phasmidae).
5529

PARTICLE SIZE DETERMINATION
Oil deposit on grapefruit leaves with 3 types of spray equipment in relation to control of certain citrus pests.
7101

The microfoil boom.
7394

PASPALUM DILATATUM
Ergot poisoning of cattle grazing Dallisgrass.
6596

PASTEURELLA
Properties of pasteurella organisms isolated from birds fed antibiotics for a long period.
6569

The role of Argas persicus in epizootic poultry cholera.
6893

PASTEURELLA ANATIPESTIFER
Central-nervous-system lesions of spontaneous Pasteurella anatipestifer infection in ducklings.
6654

PASTEURELLA MULTOCIDA
Experimental Pasteurella infection in normal and chloropromazine-premedicated cockerels, subjected to heat stress.
6657

PASTEURELLA PESTIS
Effect of differences in ambient temperature upon the fate of Pasteurella pestis in Xenopsylla cheopis.
6894

PASTEURELLA TULARENSIS
Nutritional requirements of Pasteurella tularensis for growth from small inocula.
6609

An endogenously produced substance essential for growth initiation of Pasteurella tularensis.
6610

Observing the sensitivity of Francisella tularensis to antibiotics in vitro.
6621

Results of microbiological examination of reservoir animals in the west Slovakia region for tularemia.
6701

Electron microscopy study of the localization of antigens in a virulent and an avirulent strain of Francisella tularensis, using mercury-labelled antibodies.
6719

PASTEURELLOSIS
Simultaneous prophylactic vaccinations of swine against hog cholera and pasteurellosis.
6673

PASTURE MANAGEMENT
Porina and grassgrubs put curbs on production.
6187

PASTURES
A Nimbaspis Balachw. (Coccoidea-Odonaspidini) new in the Central African grasslands.
4992

Grasshopper control, 1969.
5411

Control of pasture Aedes mosquitoes by dripping larvicides into flowing water, with notes on residues in a pasture habitat.
5486

Pasture mosquito resistance in California.
5590

Grasshopper control 1969.
6207

Experiments with fattening pigs on pasture.
6426

A study of natural pastures in Madagascar. Productivity and pratical applications.
6427

Some observations of hypomagnesemic tetany in cattle.
6606

Observations on crooked calf disease.
6814

PATENTS
Sterilization of female mosquitoes with a hormone derived from male mosquitoes, Patent 3,450,816.
5272

Pyridine composition and method for attracting insects. patent 3,325,355.
5330

Simultaneously effective anti-fungal and insecticidal or acaricidal pesticides. Patent 3,450,818.
5527

Combating bacterial and fungal plant diseases with hexachlorophene(2,2'-methylene bis-(3,4,6-trichlorophenol). Patent 3,420,936.
6134

Use of nickel morpholine dithiocarbamate as a nematocide. Patent 3,450,817.
6287

Halo-substituted phenoxyethyl carbamates and derivatives thereof. Patent 3,439,021.
6334

Method for destroying undesirable plant life. Patent 3,450,520.
6375

Improving egg quality in poultry by orally administering androgens. Patent 3,438,783.
6433

Production of cellulase, antibiotic and antitumor substances by growing Eumyces ATCC 16425 Patent 3,438,864.
6445

Sprayable or subcutaneously adminstrable vaccine for the immunization of mustelines against distemper and process for its preparation. Patent 3,420,934.
6454

Monophosphoric acid esters of halogen containing 2,2'-methylenediphenols. Patent 3,439,069.
7017

Fungicidal compositions and methods using mesomeric phosphonium compounds. Patent 3,445,570.
7329

Complex addition products of phosphorus pentafluoride and substituted nitriles. Patent 3,438,983.
7331

Alpha-(4-chloro-2-methylphenoxy) propionalides. Patent 3,439,018.
7332

Tri(C8-C10 alkyl) m- and p-nitrobenzyl quaternary ammonium halides. Patent 3,446,844.
7333

Bromination process. Patent 3,450,757.
7334

Carotenoid compounds. Patent 3,446,801.
7335

Zirconium compounds as algaecides. Patent 3,446,656.
7336

Herbicidal, halogenated urea derivative. Patent 3,431,289. 7344

Lower alkanoyl esters of polymyxin antibiotics. Patent 3,450,687. 7350

Producing alkyllead halide. Patent 3,439,012. 7351

Novel substituted 1,2,4-triazoles(4H). Patent 3,444,162. 7352

Bromination process of salicylanilide. Patent 3,450,756. 7355

2,3-dihydro-1,4-dithiins as stabilizers for chlorinated hydrocarbons. Patent 3,439,051. 7356

Method for deodorizing O,O-dialkyl S-(alkylthio)alkyl phosphorodithioates. Patent 3,439,071. 7357

Substituted and unsubstituted N-lower alkyl benzhydrylcarbamates as herbicides. Patent 3,431,099. 7358

Method for control of algae growth. Patent 3,443,924. 7363

Anticoccidial composition containing 6,7-disubstitutedquinoline - 3-carboxylates. Patent 3,448,193. 7364

Phenoxythioacetic esters as desiccants. Patent 3,445,221. 7366

Spiro thiophosphates. Patent 3,445,468. 7367

N-benzoyloxymethyl benzamides and their preparation. Patent 3,439,019. 7369

Asymmetrical para-nitrophenyl phosphates. Patent 3,444,274. 7370

Organotin or mercury (carboxy hydrocarbylene amides). Patent 3,446,827. 7371

Method of controlling reproductive cycle with 6alpha - methyl - 17alpha hydroxyprogesterone 17-acetate. Patent 3,444,296. 7374

Antibiotic lambertellin and method for production. Patent 3,438,998. 7375

Dimethyl fluoride-substituted methylene bisphenol germicides and fungicides. Patent 3,341,343. 7376

Immobilizing insects by sudden reduction of body temperature. Patent 3,446,892. 7377

Killing of pests with alkyl sulfonamide phosphates and phosphonates. Patent 3,446,896. 7379

Process for destroying microorganisms in agriculture. Patent 3,444,301. 7380

Pyridine esters of cyclopropanecarboxylic acid. Patent 3,438,993. 7385

Method of facilitating harvest of mature plants. Patent 3,447,919. 7386

PATHOGENESIS

Mechanisms of pathogenesis in Sclerotium bataticola on sunflowers. 1. Production and translocation of a necrosisinducing toxin. 5890

PATHOGENICITY

Lupine, a cause of crooked calf disease. 6815

PATHOLOGY

Studies on Salmonella infection among rabbits in the U. A. R. 6479

Ergot poisoning of cattle grazing Dallisgrass. 6596

Salmonella typhimurium infection in dairy cows. 6763

PEACHES

Some observations and comments on stem-pitting of peach, its control and a nursery improvement program. 5782

The present and future situation of peach culture in Ferrara. 5789

Pesticide application for fruit trees at the of winter and in the spring. 5820

Botran used as an orchard spray vs. Botran in the hydrocooler and control of post-harvest decay of peaches. 5904

Peach leaf curl. 6006

The oriental fruit moth and its control. 6223

Controlling peach yellows in a peach breeding program. 6232

Calcium oxytetracycline. Notice of extension of temporary tolerance. 7117

PEANUTS

Specialist advice on groundnuts. 5776

Man insects and pesticides. 5817

Verticillium wilt of groundnut in Israel: Screening for varietal resistance. 5931

Peanut pod invasion by fungi in the presence of lesion nematodes in Georgia. 5974

Effect and compatibility of nutrient sprays with insecticides and fungicides for groundnut (A. hypogea). 6063

Disulfoton as a systemic insecticide for control of adult white-fringed beetles on peanuts. 6153

Termites need no longer threaten groundnut in Nimar. 6202

Control peanut insects and diseases. 6266

Chemical weed control in groundnuts. 6374

Chemical weed control in peanut crops at Katherine, Northern Territory. 6400

Aflatoxin in the groundnut crop at harvest in Northern Nigeria. 7185

A sub-surface applicator for herbicides. 7399

Groundnuts. 7410

PEARLMILLET

Ergot disease of bajra--its symptoms and control. 6100

PEARS

Biology and control of leopard moth on pear trees in the United Arab Republic. 5294

Codling moth control with carbofuran. 5547

Nursery stock, plants, and seeds. Foreign nurseries certified as producing specified disease-free material. 5803

Pesticide application for fruit trees at the of winter and in the spring. 5820

Absorption of boron by bartlett pears. 5898

Investigations on certain virus diseases on pear tree in Bulgaria. 6112

Foliar penetration of plant growth substances with special reference to binding by cuticular surfaces of pear leaves. 7230

PEAS

Modification of gamma ray mutagenic action by temperature shock. 5790

The weed vegetation of flower beds and irrigated cultivations in Cairo and some adjacent provinces. 5837

Changes in growth and metabolism of excised pea roots associated with iron deficiency. I. Changes in number of cells, nitrogenous constituents and respiration rate. 5856

Influence of soil temperature on the development of pea root rot. 5872

Metabolic activity of pea root ribosomes under conditions of boron deficiency. 5877

Crown gall: Effect of temperature on tumorigenesis in pea seedlings. 5988

Biology of Ascochyta species parasitic on pea plants. 6023

Relationship of pea mosaic virus with its vector Aphis craccivora Koch.. 6092

An observation on the influence of nitrogen fertilization on the attack of peas by powdery mildew (Erysiphe polygoni DC). 6131

Studies on the transmission of pea leaf roll virus by Myzus persicae (Sulz.). 6132

Study of certain herbicides against weeds in garden peas. 6392

Effects of indoleacetic acid on intracellular distribution of Beta-glucanase activities in the pea epicotyl. 7237

Effect of light and gibberellic acid on the growth of pea internodes. 7277

Effects of simulated radioactive fallout decay on growth and yield of cabbage, maize, peas and radish. 7298

PEAT

Interaction of soil reaction and method of seed inoculation on alfalfa. 5781

PECANS

Apple scab, pecan scab, and the duration of leaf wetness. 5878

PECTINOPHORA GOSSYPIELLA

Field experiments with Trichogramma brasiliensis Fland. for the possible control of the pink bollworm of cotton, Pectinophora gossypiella Saund., in Mexico. 6198

The pink bollworms of cotton, Pectinophora gossypiella Saund., in a protected northwest zone and diagnostic characteristics. 6227

All we know about pink bollworms. 6271

PECTOLYTIC ENZYMES

Cellulytic and pectolytic enzymes in the nematode, Aphelenchus avenae. 6285

PEDIPALPIDA

Scorpions, whip scorpions and wind scorpions of Florida. 5108

PEGOMYA BETAE
New insecticides against pests of rape and beets. 6248

PELECITUS
Pelecitus ceylonensis n. sp. from the chick and ash-dove experimentally infected with larvae from Mansonia crassipes, and from naturally-infected crows in Ceylon. 6938

PENETRATION
Location and time of penetration of duodenal epithelial cells by Eimeria acervulina sporozoites. 6555

PENICILLIN
Effects of dimetridazole and antibiotics on growth and reproduction in turkeys. 6415
Parenteral chemotherapy of ovine foot-rot. 6561
Controlling bloat in cattle grazing clover. 6578
Effects of penicillin and glycine on cell wall glycopeptides of the two varieties of Vibrio fetus. 6585
Field observations on parenteral antibiotic treatment of ovine foot-rot. 6613
Some characteristics of Staphylococcus aureus isolated from the skin and upper respiratory tract of domesticated and wild (Feral) birds. 6615
Penicillin and other inhibitory substances in milk: The development and application of a routine test in New Zealand. 7061
Contribution to the study of antibiotic substances in meats. 7141
Notice of filing of petition for food additives. 7157
Notice of withdrawal of petition for food additives dienestrol diacetate, amprolium, and penicillin. 7158
Increase in resistance to antibiotics in mastitis agents. 7213

PENICILLIUM
Biochemistry of aflatoxins. 6846
Sensitivity of stored melon fruit fungi to gamma irradiation. 7025

PENICILLIUM EXPANSUM
Studies with two systemic fungicides, benlate and thiabendazole. 5962

PENTACHLOROCYCLOHEXENE
Lindane: Metabolism to a new isomer of pentachlorocyclohexene. (abstract). 5551
Lindane: Metabolism to a new isomer of pentachlorocyclohexene. 5552

PENTACHLORONITROBENZENE
The occurrence of some previously unreported diseases of potatoes in Mexico. 5910

PENTAFLUORIDE
Complex addition products of phosphorus pentafluoride and substituted nitriles. Patent 3,438,983. 7331

PENTANEDIONE, 2,3-
2,3- Pentanedione as an attractant for Hippelates (Diptera: Chloropidae). 5771

PENTATOMIDAE
Comparison of the structure of symbiotic bacteria in various sap sucking insects. 5433

PENYAKIT MERAH
Penyakit merah disease, a virus infection of rice in Malaysia. 6085

PERENNIAL PLANTS
The relationship of Johnson grass and other perennial hosts of maize dwarf mosaic virus to disease spread and control. 6108
Competition between burroweed and annual and perennial grasses for soil moisture. 6328
Weed control in turf - 1967. 6345
Selective control of hoary alyssum in alfalfa. 6355

PERICALLIA RICINI
Studies on the antifeedant against the catterpillars of Pericallia ricini F. (Arctiidae) and Spodoptera littoralis Boesd. (Noctuidae: Lepidoptera) on castor (Ricinus communis L.). 6259

PERIPLANETA AMERICANA
The action of extracts of parasympathetic organs and corpora cardiaca on diuresis in several insects. 5225
Modifications of the Bodian technique applied to insect nerves. 5263
Relation of eye color to molting in Periplaneta americana l. 5309
A sodium and potassium stimulated adenosine triphosphatase in the cockroach nerve cord. 5337
Chlorinated hydrocarbon insecticide inhibition of cockroach and honey bee ATPases. 5414
Ionic composition of haemolymph and nervous function in the cockroach, Periplaneta americana L. 5528
The spike-frequency in motor neurons of the cockroach Periplaneta americana L. 5595
A relationship between ionic environment and hormonal activation of phosphorylase in an insect. 5629
Cuticular water pump in insects. 5681

PERIPLANETA BRUNNEA
VPI cockroach research. 5339

PERITONITIS
Magnetic probes in prophylaxis and therapy of traumatic reticuloperitonitis in cattle. 6514

PERMEABILITY
Changes in permeability of the mucosa during intestinal coccidiosis infections in the fowl. 6777
Retardation of the elaboration of aflatoxin in cottonseed by impermeability of the seedcoats. 7268
The permeability of protective clothing and packing materials in regard to insecticidal phosphoric acid derivatives. 7339

PEROXIDASES
Formation of symmetrical azo derivatives of monochlorotoluidines by peroxidatic catalysis. 7259

PEROXIDES
Action of microorganisms on the peroxides and carbonyls of fresh lard. 7066

PERSULFATES
Copper and manganese content in different varieties of spring and winter wheat. 5783

PEST CONTROL
Unique problems in insect and pest control of NASA's Mississippi Test Facility. 5755
Pest control as an occupation, formerly and now. II. 5808
Soya beans - practical aspects. 5830
Forest disease control in California; July 1, 1966 to June 30, 1967. aSB761.A3. 6117
Regulation in connection with field and greenhouse culture of nursery plants. 6284
Injury to Heterodera tabacum by high soil temperatures. 6299
'miracle' tree is in trouble. 6301
The biology and control of the rice field mole rat of Ceylon, Gonomys cracilis (Nehring). 6405
All must pull their weight in pest control. 6409
A new method of rat control in coconuts. 6412
Control of sparrows on poultry farms. 6443
Pesticide safety: Plain ol' good judgement. 7193
Pest control with helicopter and biplane. 7391
Theoretical and practical aspects of room spraying. 7401
Pest control's 1969 directory of pesticides. 7403
Many problems in teaching pest control to Indonesians. 7418
Pest control: Advise and consent. 7424

PESTICIDE ANALYSIS
Note on the evaluation of the efficacy of rodenticides. 7044
Organophosphorus pesticides. A gas chromatographic screening technique based on the detection of methylated hydrolysis products. 7326

PESTICIDE APPLICATION
Bombs away on bugs. 5194
The question of resistance to pesticides. 5207
Method of killing pests by application of an O,Odiloweralkyl phosphorodithioyl methyl-substituted mercaptoacetate. Patent 3,433,870. 5345
Insects and related pests of house plants; how to control them. 5395
Rational pesticide application. 5614
Fruit growing note of the season. 5778
1969 fruit spraying calendar, for commercial fruit growers. 5804
Pesticide application for fruit trees at the of winter and in the spring. 5820
Arsenal for disease control. 5864
Fungicides for gladiolus corms. 6002
Peach leaf curl. 6006
Investigation of means for the chemical control of basal rot (Phytophthora capsici Leon.) of pepper. 6010

Control of vegetable insects and diseases. 6017

A guide to the use of pesticides for the control of agricultural pests. 6240

1969, strawberry insect and disease control. 6247

Fruit spray program for the home orchardist. 6257

Application of herbicides in pulse crops. 6339

Effects of methods of placement on performance of trifluralin, CDEC, and DCPA applied to soil. 6364

Cultural and chemical weed control in field crops, 1969. 6365

Broadleaf weed control in rice. 6370

Controlling weeds in turf. 6387

Herbicidal treatment effect on carbohydrate levels of alligatorweed. 6397

Soil factors contributing to atrazine carryover. 7084

Herbicide toxicity. 7155

Effects of organic arsenical herbicides on cotton response and chemical residues. 7222

Juice quality of grapefruit following June versus September applications of a 412 paraffinic petroleum oil with data on control of certain pests. 7238

The effect of the application of herbicides in the control of weeds in corn fields. 7272

Chemistry of pesticides. (JPRS 47038) 7360

New equipment answer to demand for improved herbicide product. 7387

Spray nozzles must be recalibrated at regular intervals. 7390

Pest control with helicopter and biplane. 7391

The microfoil boom. 7394

Pressurised soil fumigation equipment for control of eelworm. 7397

Air blast sprayer covers 24 rows. 7400

Production and sales of pesticides show increase. 7409

PESTICIDE RESIDUES

Mosquito control and/or honey bees. 5769

Science and sense. As presented to the Weed Society of America, February 8, 1966. 5819

DDT: The critics attempt to ban its use in Wisconsin. 7071

Water pollution and agriculture. 7075

Pesticides: Transatlantic movements in the Northeast trades. 7079

Bioassay of captan by zebrafish larvae. 7082

Persistent pesticides. 7083

Soil factors contributing to atrazine carryover. 7084

No serious problem with pesticide residues. 7089

More about the pesticide residue problem. 7090

Effect of DDT and dieldrin on RNA and protein synthesis in subcellular fractions of HeLa S cells. 7097

Pesticide residues are not a problem. 7099

An epidemiologic application of the study of DDE levels in whole blood. 7100

The influence of some electrolytes on the adsorption and release of symmetrical triazines on some organic colloids. 7104

No effect level of DDT in induction of microsomal epoxidation. 7105

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agriculture commodities. DDT. 7106

Toxicity of pesticides to man: Risks from present levels. 7107

Chlorinated hydrocarbons and eggshell changes in raptorial and fish-eating birds. 7108

Organochlorine pesticides in seals. 7109

Persistent pesticides: A problem. 7110

Borax and boric acid. Proposed establishment of pesticide tolerance. 7116

Calcium oxytetracycline. Notice of extension of temporary tolerance. 7117

Effect of direct steam heating and vacuum treatment on levels of pesticide residues in milk. 7119

Organochlorine insecticide residues in complete prepared meals: A 12-month survey in S. E. England. (abstract). 7121

DDT residues absorbed from organic detritus by fiddler crabs. 7125

Toxicology of plant protection preparations. Tolerance limits for toxic residues. 7127

An investigation of the content of the chlorinated hydrocarbon residues of the crustacean plankton in the Balaton. 7128

Retention and vooatilization of lindane and DDT in presence of organic colloids isolated from soils and leonardite. 7129

Birds and agriculture. 7134

Pesticide residues. 7135

High praise for low volume insecticide spraying. 7136

Pesticide levels and fluctuation in soil bacteria in an irrigated field and a pond of southwest Texas. 7137

Pesticide residues; history, alternatives and analysis. 7138

Pesticide residues - USDA'S position. 7139

Synergistic toxicity and carcinogenicity of 'freons' and piperonyl butoxide. 7160

DDT - type compounds: Separation and identification by a system combining thin layer chromatography, gas chromatography, and infrared spectroscopy. 7323

PESTICIDE SAFETY

Pesticide residues are not a problem. 7099

PESTICIDE SYNERGISTS

Toxicity of pesticides to man: Risks from present levels. 7107

PESTICIDES

A brief note on entomology. 4977

Pesticide safety in your home. 5284

A list of names of insect control chemicals to be used in Entomology Research Division manuscripts. 5507

Simultaneously effective anti-fungal and insecticidal or acaricidal pesticides. Patent 3,450,818. 5527

Fewer pesticides- More control. 5656

Public health pesticides. 5764

Pesticide use. 5779

Pesticidal use of benzothiophenes and benzothienothiophenes. Patent 3,433,874. 5792

Encyclopedia of phyto-sanitary treatments of grapes in Champagne. 5795

Pest control as an occupation, formerly and now. II. 5808

Man insects and pesticides. 5817

Science and sense. As presented to the Weed Society of America, February 8, 1966. 5819

Plant protection is also health protection. 5849

DDT and the farmer. 6148

A guide to the use of pesticides for the control of agricultural pests. 6240

Fruit spray program for the home orchardist. 6257

Control peanut insects and diseases. 6266

New contributions to the subject 'birds and agriculture'. 6411

Snails and slugs in Central California. 6413

Effect of some pesticides on the adrenal glands in the rat. 6424

Insect and mite pests of livestock, poultry, and farm buildings. 6899

DDT: The critics attempt to ban its use in Wisconsin. 7071

Environmental pollution: Scientists go to court. 7072

Agricultural pesticides and their detractors. 7080

Interaction of pesticides with natural organic material. 7081

Persistent pesticides. 7083

Accumulation of DDT and dieldrin by microorganisms. 7095

Pesticide residues are not a problem. 7099

The influence of some electrolytes on the adsorption and release of symmetrical triazines on some organic colloids. 7104

Toxicity of pesticides to man: Risks from present levels. 7107

Birds and agriculture. 7134

Pesticide residues. 7135

Pesticide residues - USDA'S position. 7139

Symptoms of intoxications by poisonous pesticides. (JPRS 46216) 7143

Enhanced metabolism of methyprylon, meprobamate, and chlordiazepoxide hydrochloride after chronic feeding of a low dietary level of DDT to male and female rats. 7152

Maximum place of work concentrations of health-endangering industrial materials. 7154

Notes on precautions to be taken in the use of spray chemicals. 7159

Aversion to strychnine sulfate by Norway rats, roof rats, and pocket gophers. (abstract). 7171

An in vitro and in vivo study of the effect of DDT on the phagocytic activity of rat white blood cells. 7174

Pesticide safety: Plain ol' good judgement. 7193

Poisoning on the farm. A report of a case of organophosphorus poisoning. (abstract). 7197

Effect of carbaryl on the neuroendocrine system of rats. 7201

Combined action of DDT with chlorophos and of thiophos with chlorophos. 7206

Effect of DDT, dieldrin, heptachlor on the growth of selected bacteria. 7234

Juice quality of grapefruit following June versus September applications of a 412 paraffinic petroleum oil with data on control of certain pests. 7238

Use of an electron capture detector in gas chromatography. III. An example of its application. A study of the response of some chlorinated and phosphorated pesticides. 7340

Novel substituted 1,2,4-triazoles(4H). Patent 3,444,162. 7352

Method for deodorizing O,O-dialkyl S-(alkylthio)alkyl phosphorodithioates. Patent 3,439,071. 7357

Chemistry of pesticides. (JPRS 47038) 7360

Spiro thiophosphates. Patent 3,445,468. 7367

Asymmetrical para-nitrophenyl phosphates. Patent 3,444,274. 7370

Organotin or mercury (carboxy hydrocarbylene amides). Patent 3,446,827. 7371

Electro-reduction of dieldrin and aldrin. 7378

Killing of pests with alkyl sulfonamide phosphates and phosphonates. Patent 3,446,896. 7379

Formulation analysis: The effect of different storage treatments on the susceptibility, agglomeration and deterioration of surfactants of DDT water-dispersible powders. 7398

Pest control's 1969 directory of pesticides. 7403

Commodity notes. Pesticides. 7406

U. S. pesticide production again tops billion pound level. 7407

Production and sales of pesticides show increase. 7409

Commonsense precautions with agricultural chemicals. 7417

Pesticide chemicals; a programmed text. TP248.P47C6. 7419

Interagency environmental hazards coordination; pesticides and public policy. 7423

PETAL BLIGHT
Botrytis flower spot control in orchids. 6037

PETROLEUM
Mosquito control agents derived from petroleum hydrocarbons. III. The effect of FLIT MLO on first and second larval instars. 5470

On the larvicidal action of crude cashewnut shell oil. 5757

PETS
Table of human infections. In: Diseases of man acquired from his pets. 7146

The management of cases of suspected poisoning. 7173

The saftey evaluation of pet products. 7204

PHAENICIA SERICATA
Houseflies, blowflies and cluster flies. 6901

PHAGOCYTES
An in vitro and in vivo study of the effect of DDT on the phagocytic activity of rat white blood cells. 7174

PHALAENOPSIS
Botrytis flower spot control in orchids. 6037

PHALANGIDA
On the biology and ecology of the opilionid Mitopus morio F.. 5644

PHALARIS TUBEROSA
Variation in concentration and composition of toxic alkaloids among strains of Phalaris tyberisa L. 6750

PHANACIS
Cynipinae (Hymenoptera) occurring on Phlomis L. 5128

PHARMACOLOGY
Veterinary science. 6438

Techniques for the systematic control of anthelmintics. gastrointestinal nematodes. Tests with a series of indole-hydrazines. 7194

Venom of the scorpion Vejovis spinigerus. 7199

PHASE-CONTRAST MICROSCOPY
Cytochemical studies on the neurosecretory cells of the brain of Labidura riparia Pallas (Dermaptera). 5611

PHASMATIDAE
Oogenesis in the parthenogenetic stick insect Sipyloidea sipylus Westwood (Orthoptera, Phasmidae). 5529

PHAULACRIDIUM VITTATUM
Control of grasshoppers (Phaulacridium vittatum) by ultra-low volume aerial application of technical maldison. 5253

PHEIDOLE
New species of Pheidole from Pacific Coast Islands (Hymenoptera: Formicidae). 5050

PHEIDOLE MEGACEPHALA
Rates of competitive exclusion by the Argentine ant in Bermuda. 5274

PHENACASPIS PINIFOLIAE
Control of some pests of evergreens. 6162

PHENOL COMPOUNDS
Morphological transformations and lysis of Halobacterium salinarium by 4-(2,4-dichlorophenoxy)butyric acid and related compounds. 6377

A hemagglutination-inhibition test for Mycoplasma meleagridis antibodies. 6787

PHENOLASES
Relation between black spot and composition of the potato tuber. 7312

PHENOLS
2,4-D metabolism. Enzymatic hydroxylation of chlorinated phenols. 5784

PHENOTHIAZINE
Strain variation in the response of Haemonchus contortus in sheep and goats given phenothiazine: Efficacy of N. F. and purified products on pure parasitic infections. 6527

The efficiency of copper sulphate, phenothiazine and sodium chloride mixture against sheep helminthoses. 7005

PHENOXIDES
Halo-substituted phenoxyethyl carbamates and derivatives thereof. Patent 3,439,021. 6334

PHENOXY ACID COMPOUNDS
Range recovery and production as influenced by nitrogen and 2,4-D treatments. 5826

Herbicide action on Fusarium graminearum Schw. 5831

Herbicide selectivity. 6317

Chemical growth inhibition in turf. 6349

Broadleaf weed control in rice. 6370

Weed control in nursery sod. 6371

Weeds in barley and their control. 6381

Alligatorweed found in Arkansas. 6384

Controlling weeds in turf. 6387

Chemical weed control in sweet potatoes. 6396

Effect of range treatment with 2,4-D on rodent population. 6408

Locoweed poisoning. 6581

Interaction of pesticides with natural organic material. 7081

Industrial fertilizers as herbicides seen in the light of new and old experiments. 7102

Translocation of labeled assimilates into and out of bean leaves as affected by 2,4-D and benzyl adenine. 7262

Penetration of chlorinated phenoxyacetic and benzoic acids into leaves. 7289

Response of flax to postemergence herbicides.
7314

PHENOXYACETIC ACID
2,4-D metabolism. Enzymatic hydroxylation of chlorinated phenols.
5784

2,4-D metabolism; enzymatic degradation of chlorocatechols.
5785

PHENOXYACETIC ACID COMPOUNDS
Phenoxythioacetic esters as desiccants. Patent 3,445,221.
7366

PHENYL N-METHYLCARBAMATES
Substituted phenyl-N-methylcarbamates. Cholinesterasis inhibition and insecticidal action.
7382

PHERMONES
Studies on the attack behavior of the southern pine beetle. I.THE spreading and collapse of outbreaks.
5942

PHEROMONES
Western pine beetle: Field response to its sex pheromone and a synergistic host terpene, myrcene.
5217

Airborne factor affecting the grouping behaviour of locusts.
5328

The alarm-defence system of the ant Acanthomyops claviger.
5553

Sex pheromones of noctuid moths. XIII. Changes in pheromone quantity, as related to reproductive age and mating history, in females of seven species of Noctuidae (Lepidoptera).
5603

Studies of physiologically active arthropod secretions. II. Some observations on the scent pencils of male Vitula edmandsae (Lepidoptera: Phycitidae).
5670

PHILAENUS SPUMARIUS
Control of insects on alfalfa and red clover.
6185

PHILODROMUS
The Imbecillus and Rufus groups of the spider genus Philodromus in North America. (Araneida: Thomisidae).
5020

PHILONICUS
Diptera larvae in soil treated with organic and mineral fertilizers. (1). Family Asilidae-Diptera-Brachycera.
5541

PHLEBOTOMUS
Features of microclimatic regimen of habitats of sandflies in a village of Karshinsky Oasis.
5329

Aggressiveness of different species of sandflies towards man and their infection rate with L. tropica major at the moment of blood-sucking.
5694

PHLOEM
Relation of beet yellows virus to the phloem and to movement in the sieve tube.
5923

PHLOMIS
Cynipinae (Hymenoptera) occurring on Phlomis L.
5128

PHOMA
Effects of insecticides on insects and pathogenic fungi associated with alsike clover roots.
5815

Phoma destructiva, its variability, host range and varietal reaction of tomatoes.
5869

PHOMA BETAE
Physiological studies on Phoma betae Frank and Rhizoctonia solani(Prill and Delacr.) Bourd and Galz which cause damping-off and root diseases of sugar beet in Egypt.
5867

PHORATE
Experiments to control acorn weevils with systemic insecticides. dorsey, c k.
6142

Study of the control of Antonina graminis (Maskell)--curse of hay (Digitaria pentzii) with granular systemic insecticides.
6175

Herbicides in cotton and their compatibility with soil-applied insecticides.
6388

PHORMIA REGINA
Trehalose regulation of gucose-6-phosphate hydrolysis in blowfly extracts.
5317

Long-term regulation of sugar intake by the blowfly.
5322

An octosporeosis of the black blowfly Phormia regina: Effect of temperature on the longevity of diseased adults.
5419

PHOSFON
Influence of retardants on the growth and flowering of plants.
7231

PHOSPHAMIDON
Spraying in mustard is a must.
5258

Effects on aquatic insects of forest spraying with phosphamidon in New Brunswick.
5336

Observations on various treatments applied in Lebanon in 1966 against Ceratitis capitata Wied.
5392

The problem of leaf hoppers on paddy.
6252

PHOSPHATES
Some observations on tobacco yellow dwarf control.
6033

Phosphate distribution in healthy and TMV infected tomato plants.
6052

Corn lodging. I. Relations between soluble solids, inorganic phosphates and basal stalk and root rots in mature plants.
6066

Arsenic and low phosphate soils.
6360

Antifungal action of a phosphate ester pesticide, O-Mchlorophenyl O,O-dimethyl phosphorothioate, used in nutrient media for fungi. (abstract).
7175

Asymmetrical para-nitrophenyl phosphates. Patent 3,444,274.
7370

Killing of pests with alkyl sulfonamide phosphates and phosphonates. Patent 3,446,896.
7379

PHOSPHINE
Studies on the effectiveness of fox den fumigation for rabies control in the district of Wolgast.
6696

PHOSPHOLIPASE
Phospholipase A in the venom of the Australian bulldog ant Myrmecia pyriformis.
7180

PHOSPHONATES
Killing of pests with alkyl sulfonamide phosphates and phosphonates. Patent 3,446,896.
7379

PHOSPHORIC ACID
The permeability of protective clothing and packing materials in regard to insecticidal phosphoric acid derivatives.
7339

PHOSPHORIC ACID ESTERS
Monophosphoric acid esters of halogen containing 2,2'-methylenediphenols. Patent 3,439,069.
7017

Tolerance of sheep with regard to a new phosphoric ester: Chlorfenvinphos.
7167

The chemistry of GS 13005, a new insecticidal phosphoric acid ester.
7368

PHOSPHORIC TRIAMIDE
Sterilizing effect of a phosphoramide on Culex fatigans Weid.
5530

PHOSPHORIC TRIAMIDE DERIVATIVES
Phosphoric triamide derivatives as herbicides. Patent 3,433,623.
6323

PHOSPHORUS
Phosphorus, potassium, calcium and magnesium requirements of Maryland tobacco grown on Monmouth soil.
5880

The response to phosphorus of some ecologically distinct plant species. I. Growth rates and phosphorus absorption.
6058

Histopathological examination of the kidneys of a ram who died of a urethral obstruction due to sedimentosis.
6646

A histologic study of medullary bone of laying hens under different diet and housing conditions.
6789

Role of calcium in the nutritional etiology of a metabolic disorder in ruminants fed a high grain ration.
6857

Influence of some herbicides on accumulation of 32P in above-ground organs of oats.
7223

Studies on the molybdenum availability. Part I. Molybdenum uptake by plants under different nitrogen and phosphorus nutrition.
7288

PHOSPHORUS COMPOUNDS
Complex addition products of phosphorus pentafluoride and substituted nitriles. Patent 3,438,983.
7331

PHOSPHORUS ISOTOPES
Mutations produced by transmutation of phosphorus-32 to sulfur-32 within Drosophila DNA.
5437

Veterinary treatment of farm animals in the case of external radioactive contamination. First communication. Veterinary treatment of sheep and pigs externally contaminated with phosphorus32 and strontium89.
6428

PHOSPHORYLASES
A relationship between ionic environment and hormonal activation of phosphorylase in an insect.
5629

PHOSPHORYLATION
Salicylanilides: A new group of active uncouplers of oxidative phosphorylation.
5679

PHOTINUS
The decarboxylation of luciferin in firefly bioluminescence.
5531

PHOTOCHEMISTRY
Properties and effects of WL-9385-D on rice and some weed species.
6332

PHOTOGRAPHY
Report on forest research for the year ended March 1968.
5845

PHOTOMICROGRAPHY
Salivary gland chromosome variation in the Drosophila affinis subgroup. II. Comparison of C-chromosome patterns in D. athabasca and five related species.
5725

PHOTOPERIODISM
The photoperiod as a control agent against Adoxophyes reticulana (Lepidoptera; Tortricidae).
5193

Electroretinogram of the scorpion Androctonus australis in response to periodical illumination. 5252

Physiological modifications caused by the photoperiod during the time preceeding diapause in the Pieris brassicae L. larvae. 5265

Two major effects of the corpus allatum in the adult Colorado beetle (Leptinotarsa decemlineata Say). 5281

Diel patterns of swarming and other activities of two arctic dipterans (Chironomidae and Trichoceridae) on Spitsbergen. 5639

On emergence times within the genus Polamorphylax Wallengren (Trichoptera, Linnephilidae). 5645

Sensitivity duration in the photoperiod for the inhibition of maturation of a group of Locusta migratoria migratoria L. (Orthoptera), group Kazalinsk. 5665

Ethylene prevents normal photoperiodic response in Chrysanthemum morifolium. 7286

PHOTOSENSITIZATION

Change in the photic reaction due to DDT in the grain weevil, Sitophilus granarius (L.)(Coleoptera: Curculionidae). 5209

Central nervous system control of circadian rhythmicity in the cockroach. II. The pathway of light signals that entrain the rhythm. 5500

PHOTOSYNTHESIS

Physiological changes in sunflowers infected by storage rot. 6041

Selective control of hoary alyssum in alfalfa. 6355

Influence of some herbicides on accumulation of 32P in above-ground organs of oats. 7223

Influence of simazine on apparent photosynthesis of aquatic plants and herbicide residue removal from water. 7305

The effect of potassium on the metabolism of sugar beet plants infected with sugar beet yellows virus. Part II. Net assimilation rate and sugar production. 7315

PHOTOTROPISM

Effects of selection and migration on geotactic and phototactic behaviour of Drosophila. II. 5702

PHYCITIDAE

Studies of physiologically active arthropod secretions. II. Some observations on the scent pencils of male Vitula edmandsae (Lepidoptera: Phycitidae). 5670

PHYCOMYCETES

Contribution to the knowledge of the mycoflora of the Apus mountains. 5900

PHYLLODY

Transmission of clover phyllody by a new leafhopper vector, Euscelidius variegatus. 6179

PHYLLOSTICTA ZEAE

The occurrence of Phyllosticta leaf spot of corn in Pennsylvania. 6068

PHYLLOXERA VITIFOLIAE

A viticultural crisis of more than a quarter of a century: It has been a century since France discovered Phylloxera. 6254

PHYLLOXERIDAE

Control of some pests of evergreens. 6162

PHYMATOTRICHUM OMNIVORUM

Studies with two systemic fungicides, benlate and thiabendazole. 5962

PHYSIOLOGY

Reduction of flight organs in some cryptobrachypterous Lygaeidae (Hem., Het., Lygaeidae). 5398

Comparisons of cells, refractile bodies, and spores off Bacillus popilliae. 5477

The nematodes DD-136 (Neoaplectana sp.) and Neoaplectana carpocapsae Weiser, 1955 (Rhabditoidea) as insect parasites. A literature review. 5499

Recent advances in the physiology and biochemistry of Plasmodia. 5526

Competitive saprophytic ability and inoculum potential of cotton root-infecting fungi in five soils. 6062

S.N.F. content of milk. 6446

Mesosomes in m-tyrosine-inhibited Bacillus thuringiensis. 6474

Sites of avian leukosis virus multiplication in congenitally infected chickens. 6556

Influence of synthetic insect T. C. medium on the survival of malaria sporozoits in vitro (Plasmodium berghei yoeli and P. cathemerium). 6576

In vivo growth and distribution of anthrax bacilli in resistant, susceptible, and immunized hosts. 6653

Relation of infection to tissue temperature in mice infected with Mycobacterium marinum and Mycobacterium leprae. 6813

Biochemical and biophysical characteristics of vesicular exanthema virus and the viral ribonucleic acid. 6864

Growth and respiration of monolayer cell cultures of chick embryo heart and skeletal muscle: Action of malathion and malaoxon. 6871

Growth and development of poultry echinostomatids in the organism of definitive host. 6961

Oxygen and carbon dioxide affect the growth of wood-decaying fungi. 7027

Note on a microbiological assay for aflatoxin B,: A rapid confirmatory test by effects on growth of Bacillus megaterium. 7052

Effect of DDT and dieldrin on RNA and protein synthesis in subcellular fractions of HeLa S cells. 7097

Interaction of DDT with the components of lobster nerve membrane conductance. 7190

PHYTATES

Effect of a soluble fraction of oil seed meals on uptake of 65Zn from ca.mg.65Zn.phytate complexes by the chick'. 6690

PHYTOPATHOLOGY

A note on the anatomical derangement in the root tissue of root (wilt) diseased coconut palm. 5383

Abnormal ray tissue in three true firs infested by the balsam woolly aphid. 6226

PHYTOPHAGOUS INSECTS

Oxidative metabolism of carbohydrates in phytophagous insects. I. Glycolysis in the cotton stainer Dysdercus fasciatus Signoret (Pyrrhocoridae, Hemiptera). 5189

Physiological studies on the digestion of coccinellid beetles (Coleoptera: Coccinellidae), with special reference to their food habits. 5579

Collecting method and preliminary analysis of the soluble salivary secretions of the planthoppers. 5618

On the photopositive responses of some insects towards monochromatic lights. 5691

PHYTOPHTHORA

A modified soil percolator for zoospore production and infection in studies on zoosporic root pathogens. 5868

Investigations on chemical control of zebra disease in Agave hybrid no. I 1648. 6036

PHYTOPHTHORA CACTORUM

Suitability of several fungicides for treating soil infested with Phytophthora cactorum to prevent crown rot disease of apple trees. 6012

PHYTOPHTHORA CAPSICI

Investigation of means for the chemical control of basal rot (Phytophthora capsici Leon.) of pepper. 6010

PHYTOPHTHORA CITRICOLA

Comparative behavior of the oospores and oogonia of Phytophthora citricola during germination on an artificial medium. 5798

PHYTOPHTHORA INFESTANS

The occurrence of some previously unreported diseases of potatoes in Mexico. 5910

The expression of R-gene resistance to Phytophthora infestans in tissue cultures of Solanum tuberosum. 5969

Agricultural and horticultural fungicides-past, present, and future. 7416

PHYTOPHTHORA PARASITICA

Field biology and control of Phytophthora parasitica on papaya (Carica papaya) in Hawaii. 5967

Serological differentiation of Pythium aphanidermatum from Phytophthora parasitica var. nicotianae and Ph. parasitica. 6021

Betel's wilt disease can be kept under control. 6025

PHYTOSEIULUS PERSIMILIS

Biosystematics of Phytoseiulus persimilis AthiasHenriot (Acarina: Phytoseiidae). 5407

PHYTOTOXICITY

Ultra low volume spraying of cotton. 5822

Chemosterilization of the two-spotted spider mite. III. Effect on host plant. 7252

Microbial degradation of five substituted urea herbicides. 7276

PICEA

Concerning the problem of controlling the occurence, as well as estimating the degree of infestation of tree stands by Ips typographus L. 6263

Do small mammals and birds affect reproduction of spruce and fir. 6406

PICEA ABIES

Control of some pests of evergreens. 6162

PICEA ENGELMANNI

Spruce budworm damage symptoms related to radial growth of grand fir, Douglas-fir, and Engelmann spruce. 6275

PICLORAM
The role of light, concentration, and species in foliar uptake of herbicides in woody plants.
6331
Control of the guanxumas roxa e branca in pasture with hormone-like herbicides.
6335
Herbicidal control of western ironweed.
6363
The use of herbicides for site preparation and their effects on tree survival.
6369
Response of flax to postemergence herbicides.
7314

PICORNAVIRUSES
Investigations on the viruses of the Orphan type occurring in pigs in Poland. IV. Haematological findings in piglets artificially infected with virus L1.
6500

PIERIDAE
Two variant females of Colias (Zerene) cesonia (Pieridae).
4997
First records of two butterflies in Wisconsin (Nymphalidae, Pieridae).
5098
Observation on the sex ratio in Pieris brassicae (L.) (Lepidoptera-Pieridae).
5233
On the metabolism of pterine and its hydrogen derivatives in Colias croceus (Fourcroy) (Lepidoptera Pieridae).
5286
Polymorphism in Pieris: Supposed lethality of homozygous subtalba (Lep., Pieridae).
5697

PIERIS
What is Pieris dubiosa Rober (Lep., Pieridae).
5133

PIERIS BRASSICAE
Observation on the sex ratio in Pieris brassicae (L.) (Lepidoptera-Pieridae).
5233
Evaluation of some parameters of the individual energy budget of the larvae of Pteromalus puparum (L.) (Pteromalidae) and Pimpla instigator (Fabr.) (Ichneumonidae).
5264
Physiological modifications caused by the photoperiod during the time preceeding diapause in the Pieris brassicae L. larvae.
5265
Exudates of germinating spores of Bacillus thuringiensis.
5502
Development of virus antigen in tissues of Pieris brassicae inoculated with Tipula iridescent virus.
5534
Factors influencing the persistence of the granulosis virus of Pieris brassicac in the environment.
5752

PIERIS RAPAE
What is Picris dubiosa Rober (Lep., Pieridae).
5133
Estimation of the individual number entering each development stage in an insect population.
5413
The effect of barometric pressure and other factors on eclosion of the cabbage butterfly Pieris rapae (Pieridae).
5416

PIGEONS
Parasite phylogeny problems of the Mallophaga of Passeriformes and Piciformes.
5693
New contributions to the subject 'birds and agriculture'.
6411
Type C Botulism in a dove (Streptopelia roseogrisea bornuensis) from Ferlo (Senegal).
6557
Outbreak of ornithosis in a flock of carrier pigeons in Copenhagen.
6584
Brachylaima degiustii n. sp. from Columba livia in Venezuela.
6980
Pharmacodynamics of dielorin in pigeons.
7131
Biological methods for determining the toxicity of grain in connection with its infestation with toxigenic microfungi.
7147

PIGMENTATION
The pigmented coliforms of dehydrated food.
7051

PIGMENTS
Pigment movement and the crystalline threads of the firefly eye.
5372

PIGWEED
Chemical weed control in peanut crops at Katherine, Northern Territory.
6400
A sub-surface applicator for herbicides.
7399

PIMARADIENE
(-)-pimaradiene: A new precursor of the gibberellins.
7337
Biosynthesis of gibberellic acid. A correction.
7338
Aspects of gibberellin biosynthesis.
7349

PIMELIAPHILUS PLUMIFER
The biology of the conenose bug parasite, Pimeliaphilus plumifer Newell and Ryckman (Acarina: Pterygosomidae) (Hemiptera: Reduviidae).
5191
Ecological observations on three species of Pimeliaphilus parasites of triatominae in the United States (Acarina: Pterygosomidae) (Hemiptera: Reduviidae).
5192

PINEAPPLES
Tropical nematology.
6305

PINUS
A new species of Epuraea associated with eastern gall rust (Coleoptera: Nitioulidae).
5066
A widely distributed pine sap injurious, Acanthophila piceana n. sp. (Lep. Gelechiidae) in Latvia.
5150
On the theoretical concept of self-extinction of bark beetles. (TT 68-50402)
5515
Hosts and geographic distribution of Scirrhia pini--the cause of red band needle blight in California.
5895

PINUS ATTENUATA
A new needle disease of hard pines in Oregon and California.
5884

PINUS BANKSIANA
A technique for sampling populations of the jack-pine budworm.
5033
Life history, habits, and damage of Chrysobothris orono (Coleoptera: Buprestidae) on red pine in Michigan.
5680

PINUS MONTICOLA
Growth of the rust fungus Cronartium ribicola in tissue cultures of Pinus monticola.
5952

PINUS NIGRA
Concerning a mass population increase of the false pine webworm, Acantholyda erythrocephala Chr. in Steinfeld, Lower austria, in the years 1964-1967. Preliminary communication.
6196

PINUS PATULA
Studies on Stereum sanguinolentum in Kenya pine plantations.
5948

PINUS PONDEROSA
A new needle disease of hard pines in Oregon and California.
5884
Dwarfmistletoe effects on ponderosa pine growth and trunk form.
5892
Elytroderma disease of ponderosa pine (Pinus ponderosa) in the Pacific Northwest.
5893
Ponderosa pine dwarf mistletoe in relation to topography and soils on the Manitou Experimental Forest, Colorado.
5955

PINUS RESINOSA
Life history, habits, and damage of Chrysobothris orono (Coleoptera: Buprestidae) on red pine in Michigan.
5680
Influence of soil and site on red pine (Pinus resinosa Ait.) plantations in New York. II. Soil type and physical properties.
7240
Effects of herbicides on respiration of red pine seedlings. II. Monuron, diuron, DCPA, dalapon, CDEC, CDAA, EPTC, and NPA.
7290

PINUS STROBUS
Response of pines irradiated with lethal and sublethal doses of gamma-radiation.
5829

PINUS SYLVESTRIS
Control of some pests of evergreens.
6162
Differences among Scotch pine varieties in susceptibility to European pine sawfly.
6279

PINUS TAEDA
Infestation rate and damage by the Nantucket pine tip moth in six loblolly pine stand categories.
6156
Studies on the attack behavior of the southern pine beetle. III. Sequence of tree infestation within stands.
6177

PINUS THUNBERGI
Response of pines irradiated with lethal and sublethal doses of gamma-radiation.
5829

PIPER BETLE
Betel's wilt disease can be kept under control.
6025

PIPERONAL
Piperonylic acid conjugates with alanine, glutamate, glutamine, glycine, and serine in living houseflies.
5296

PIPERONYL ALCOHOL
Piperonylic acid conjugates with alanine, glutamate, glutamine, glycine, and serine in living houseflies.
5296

PIPERONYL BUTOXIDE
Synergistic toxicity and carcinogenicity of 'freons' and piperonyl butoxide.
7160
On the toxicology of Pyrethrum to warm blooded animals.
7384

PIRICULARIA
The problems of plant disease control.
6034

PIRICULARIA ORYZAE
Identification of races of Piricularia oryzae in Colombia.
5939
Pyricularia oryzae.
6098

PIROPLASMOSIS
The incidence of clinical babesiosis in cattle in Queensland.
6651

On pyroplasmodias in sheep and goats. II. Research into anaplasmosis. 6686

Identification of a piroplasme found with sufficient frequency in our cattle. 6790

Detection of complement fixing antibody to the agents of tick typhus fever of northern Asia and Q fever in wild animals of the extreme north of western Siberia. 6810

Experimental studies on bovine tick-borne fever. 1. Clinical and haematological data, some properties of the causative agent, and homologous immunity. 6844

PISUM SATIVUM

Arginine metabolism in germinating seeds of some members of the leguminosae. 7255

PITUITARY GLAND

The role of the hypophyseal-suprarenal system in the etiopathogenesis of primary ketosis in cattle. 6767

PLANKTON

Biological investigations of an infiltration area and experiments with some algicides. 7076

An investigation of the content of the chlorinated hydrocarbon residues of the crustacean plankton in the Balaton. 7128

PLANOCOCCUS CITRI

Analysis of chronatin in male and female mealy bugs. (Planococcus citri). 5718

PLANT ABNORMALITIES

Lodging in wheat and its control by (2-chloroethyl) trimethylammonium chloride (CCC) in solid form. 7308

PLANT ANALYSIS

Sulfur response of alfalfa in Western Montana. 7296

PLANT ANATOMY

Vegetative reproduction in western ironweed. 5839

PLANT BIOCHEMISTRY

A biochemical mechanism of natural resistance of apple to Venturia inaequalis. 5834

Effect of the low temperature treatment of the wet culture Aspergillus oryzae 8F1 and germinated seed on the increase of the fermentation activity. 5848

Phosphorus, potassium, calcium and magnesium requirements of Maryland tobacco grown on Monmouth soil. 5880

Changes in amino-acid content of Amaranthus tricolor leaves infected with Alternaria sp.. 5891

Mobilization factors in uredospores and bean leaves infected with bean rust fungus. 5908

Copper deficiency in citrus. 5916

Biosynthesis of furanocoumarins in diseased celery. 5929

Auxin destruction by Marasmius perniciosus. 5985

A study of the synthesis of lysopine from lysine by crown-gall tissues. 5994

Phosphate distribution in healthy and TMV infected tomato plants. 6052

The effect of TMV on the Hill reaction in chloroplasts from various tobacco species with different resistance. 6060

Reaction of nitrosoguanidine (N-methyl-N'-nitro-N-nitrosoguanidine) with tobacco mosaic virus and its RNA. 6081

Saprophytic development of the flax rust Melampsora lini, race No. 3. 6115

Study of the transfer of amino acids from aminoacyl transfer ribonucleic acid into protein by ribosomes from uredospores of the bean rust fungus. 6879

Persistent pesticides: A problem. 7110

Postirradiation modification of ultraviolet-sensitivity of normal and nitrofurazone-resistant strains of the blue-green alga Anacystis nidulans. 7217

The effect of magnesium on the growth of lucerne, grown on grey forest soils. 7228

An injection method for treating Hemerocallis spikes with colchicine. 7229

Foliar penetration of plant growth substances with special reference to binding by cuticular surfaces of pear leaves. 7230

Auxin and wall extensibility: Reversibility of auxin-induced wall-loosening process. 7233

Influence of atrazine and varied carbon and nitrogen amendments on growth of Sclerotium rolfsii and Trichoderma viride in soil. 7236

Effects of indoleacetic acid on intracellular distribution of Beta-glucanase activities in the pea epicotyl. 7237

Interaction of plant hormones. 7241

Effect of the composition of the nutrient medium on the amylase localization in Aspergillus oryzae. 7242

Fungal polysaccharide composition and method for making same. Patent 3,436,311. 7244

Cytochemical effects of indoleacetic acid and kinetin on megagametophytic development in Lilium. 7245

The metabolism of 3,4-dichloropropionanilide in plants. Partial purification and properties of an aryl acylamidase from rice. 7246

Changes in ration of sugars and amino acids in cotton-plant and maize upon gamma-irradiation of seeds prior to sowing. 7250

The effect of some treatment conditions on the radiomimetic activity of 1-methyl-3-nitro-1-nitrosoguanidine in plants. 7258

Enhancement by 2,4-dichlorophenoxyacetic acid of chromatin RNA polymerase in soybean hypocotyl tissue. 7278

Flavone composition, flowering, and hypersensitivity to virus in vegetables. 7281

The effect of trace elements on the yield and quality of camomile flowers and peppermint leaves. 7282

Translocation and metabolism of C14-labeled tetramine by Douglas-fir, orchard grass, and blackberry. 7284

Studies on the molybdenum availability. Part I. Molybdenum uptake by plants under different nitrogen and phosphorus nutrition. 7288

Penetration of chlorinated phenoxyacetic and benzoic acids into leaves. 7289

The differential interaction of aflatoxins B1,G1 and G2 with deoxyribonucleic acids from different sources. 7291

Effects of simulated radioactive fallout decay on growth and yield of cabbage, maize, peas and radish. 7298

Effect of acar on bloom date of Richared apples. 7304

The preparation of L- and D-alpha-amino-beta-methylaminopropionic acids and the identification of the compound isolated from Cycas circinalis as the L-isomer. 7311

Relation between black spot and composition of the potato tuber. 7312

The effect of potassium on the metabolism of sugar beet plants infected with sugar beet yellows virus. Part II. Net assimilation rate and sugar production. 7315

Effect of CCC and glycine betaine on growth and growth-substance content of primary leaves of dwarf French bean (Phaseolus vulgaris L.). 7317

PLANT BREEDING

Kota, a new South Dakota oat. 5775

The present and future situation of peach culture in Ferrara. 5789

The sugar beet. 5791

Breeding and management of forage crops in the Eastern Plains. 5797

A contribution to the knowledge of heterosis in potato. 5813

Breeding potatoes for resistance to wart and golden nematode. 5828

Quantitative genetic estimates for brown spot resistance in corn. 5846

Combining abilities and relative dominance among maize inbreds for resistance to earworm injury. 5852

Control of smut on sugarcane. Regulation of varieties of sugarcane which can be cultivated in the state of Sao Paulo. 5854

Results of tests of wheat varieties as to their resistance against grain diseases, carried out in the reclaimed land of the North East between 1961 and 1964. 5875

Breeding for Septoria and Fusarium resistance in wheat. 5925

Verticillium wilt of groundnut in Israel: Screening for varietal resistance. 5931

The occurrence and observation of Puccinia striiformis in the State of Washington. 5935

Progress through research- blue mould of tobacco. 5960

Strains of the fungus Thielaviopsis basicola (Berk. et Br.) Ferr. isolated from the roots of blue lupin (Lupinus 5976

The problems of plant disease control. 6034

Selection of parents and crosses suitable for use in breeding for resistance to scab. 6038

Evidence for the presence of the Ohio strain III of tobacco mosaic virus in tomato in The Netherlands. 6045

Considerations on the resistance of varieties of tomatoes to Fusarium wilt. 6080

Recent trends in disease control in coffee. 6099

Genetics of and breeding for resistance to rice virus diseases. 6111

Selecting and breeding coconut palms (Cocos nucifera L.) resistant to lethal yellowing disease. A review of recent work in Jamaica. 6130

Controlling peach yellows in a peach breeding program. 6232

The problem of leaf hoppers on paddy. 6252

All we know about pink bollworms. 6271

Differences among Scotch pine varieties in susceptibility to European pine sawfly. 6279

An injection method for treating Hemerocallis spikes with colchicine. 7229

Influence of inbreeding carried out during many years on hemp growth and development. 7318

Trials of obtaining artifical tobacco poliploids. 7319

PLANT CONTAMINATION

Mosquito control and/or honey bees. 5769

PLANT CYTOLOGY

Preliminary observations placed in evidence that phages of Agrobacterium tumefaciens are responsible for Crown-Gall. 5966

Trials of obtaining artifical tobacco poliploids. 7319

PLANT DISEASE CONTROL

Some observations and comments on stem-pitting of peach, its control and a nursery improvement program. 5782

Growing vegetables in South Dakota. 5832

Pest and disease control aspect of changing cropping patterns. 5842

Black spots of apples: A warning service for fruit-growers. 5865

Italian beet culture. The diseases: Fungi and viruses. 5926

Alfalfa diseases. 5977

Results from a three-year test with the anaerobic method in barley seed disinfection from Ustilago nuda (Pers.) Kell. et sw. 6019

Some observations on tobacco yellow dwarf control. 6033

The problems of plant disease control. 6034

Relationship of iron, manganese, and bicarbonate to chlorosis of rice grown in calcareous soil. 6039

Diseases of fruits and vegetables. 6050

Control of survival of Ophiobolus graminis between consecutive crops of winter wheat. 6072

Chemical soil treatment for nematode control in tobacco. 6307

Burning weeds in drainage ditches to suppress populations of green peach aphids and incidence of beet western yellows disease in sugarbeets. 6395

PLANT DISEASE RESISTANCE

A biochemical mechanism of natural resistance of apple to Venturia inaequalis. 5834

Natural durability of some woods used in Hawaii; preliminary findings. 5843

Quantitative genetic estimates for brown spot resistance in corn. 5846

Kenaf promising as profit crop. 5851

Control of smut on sugarcane. Regulation of varieties of sugarcane which can be cultivated in the state of Sao Paulo. 5854

The present status of virus diseases of rice in Ceylon. 5858

Anthracnose resistance in anthurium. 5866

Phoma destructiva, its variability, host range and varietal reaction of tomatoes. 5869

Shifting of virus Y from stems to tubers in dependence on the plant age. 5874

Results of tests of wheat varieties as to their resistance against grain diseases, carried out in the reclaimed land of the North East between 1961 and 1964. 5875

A study of factors influencing the genetics of reaction of barley to root rot caused by Helminthosporium sativum. 5896

The occurrence of wilt in watermelon in the state of Sao Paulo. 5901

Breeding for Septoria and Fusarium resistance in wheat. 5925

Resistance of genes isolated from Avena sterilis to isolates of oat crown rust prevalent in Canada in 1968. 5928

Verticillium wilt of groundnut in Israel: Screening for varietal resistance. 5931

A new race of Sphacelotheca reiliana in South Texas. 5933

The occurrence and observation of Puccinia striiformis in the State of Washington. 5935

Hoja blanca disease of rice. 5938

Preliminary considerations on the study of resistance of fruit trees to silver-leaf disease. 5950

The inheritance of resistance to powdery mildew in the cantaloupe variety seminole. 5953

Progress through research- blue mould of tobacco. 5960

The expression of R-gene resistance to Phytophthora infestans in tissue cultures of Solanum tuberosum. 5969

Testing slash pine for rust resistance. 5975

Strains of the fungus Thielaviopsis basicola (Berk. et Br.) Ferr. isolated from the roots of blue lupin (Lupinus 5976

Alfalfa diseases. 5977

Tropical crop losses with special reference to rice. 5978

Controlling diseases of dwarf wheats. 5980

The powdery mildews on the ornamental plants. 5982

Studies on the varietal characters of Italian ryegrass. III. Varietal difference in degree of infection by crown rust. 5984

Varietal resistance to hoja blanca. 5990

Testing rice varieties for resistance to tungro disease. 5997

Perennial canker and bull's eye rot of apples. 6007

Chromosome location and linkage studies involving the Pm3 locus for powdery mildew resistance in wheat. 6013

Studies on the natural accumulation of loose smut infection on wheat - Ustilago tritici (Pers.) Jensen. 6020

Selection of parents and crosses suitable for use in breeding for resistance to scab. 6038

Evidence for the presence of the Ohio strain III of tobacco mosaic virus in tomato in The Netherlands. 6045

The effect of TMV on the Hill reaction in chloroplasts from various tobacco species with different resistance. 6060

Varietal resistance to stripe, dwarf, yellow dwarf, and black-streaked dwarf. 6064

The occurrence of Phyllosticta leaf spot of corn in Pennsylvania. 6068

Research on sap infections. 6070

Barley diseases in Western Australia. 6078

Considerations on the resistance of varieties of tomatoes to Fusarium wilt. 6080

Nitrogenous compounds in the xylem sap of American elms with Dutch elm disease. 6083

Inheritance of mosaic resistance in sugarcane. 6084

Susceptibility of watermelon cultivars to watermelon mosaic virus-2. 6091

Screening rice varieties for resistance to bacterial blight. 6093

Studies on resistance to yellow mosaic in barley. II. Comparison of varietal reactions to the viruses of different sources and relation between disease symptom and damage. 6103

Infection, recovery from infection and resistance of apricot trees to Verticillium albo-atrum. 6105

Additional sources of resistance to bacterial canker of tomato (Corynebacterium michiganense). 6109

Genetics of and breeding for resistance to rice virus diseases. 6111

Studies on the resistance to Anthracnose disease, (Gloeosporium ampelophagum) of grape varieties in Northern India. 6113

Concluding remarks on the virus diseases of the rice plant. 6122

Selecting and breeding coconut palms (Cocos nucifera L.) resistant to lethal yellowing disease. A review of recent work in Jamaica. 6130

Scientists find the cause of the bean wilt disease. , 6147

The golden nematode of potatoes and tomatoes. 6283

Races of Pratylenchus penetrans, and their effect on black root rot resistance of tobacco. 6300

Sources of tolerance to soil-borne oat mosaic virus from the World Oat Collection. 6602

Penetration and distribution of some antibiotics in cotton tissue and its resistance to bacterial blight of cotton. 7221

Reaction of selected sorghum varieties and lines to downy mildew. 7270

The influence of CCC on disease contraction of grain. 7322

PLANT DISEASE TRANSMISSION

Transmission experiments on the tungro virus in Thailand. 5429

Spread of Fomes annosus root rot in thinned shortleadf pine plantations. 5873

Transmission and translocation of red clover vein mosaic virus in clover. 5921

Transmission of hoja blanca virus of rice. 5940

Epidemiology of cotton leafcurl virus in the Sudan. 5946

Preliminary observations placed in evidence that phages of Agrobacterium tumefaciens are responsible for Crown-Gall. 5966

The behavior of potato mop-top virus in soil, and evidence for its transmission by Spongospora subterranea (Wallr.) Lagerh. 5979

A note on Drechslera rot of tomato. 5981

Varietal resistance to hoja blanca. 5990

Rice stripe disease in Korea. 5992

Transmission of rice viruses in Southeast Asia. 5998

The crinkly mosaic of sweetvetch (Hedysarum coronarium L.). 6005

A symptomless carrier of sandal spike disease. 6027

Some observations on tobacco yellow dwarf control. 6033

Virus disease that resembles Tungro . 6048

Tree-wounding insects as vectors of the oak wilt fungus. 6055

Etiology, symptomatology and epidemiology of a virus disease of cultivated mushrooms. 6069

A note on the non-transmission of Centrosema mosaic virus through seed. 6076

Penyakit merah disease, a virus infection of rice in Malaysia. 6085

Relationship of pea mosaic virus with its vector Aphis craccivora Koch.. 6092

Some rice diseases suspected to be of virus origin in South Viet Nam. 6110

Transfer of Coriandrum sativum L. inflorescence blight through seeds and the influence of seed treatment upon this disease. 6116

Rubbery wood disease becomes more extensive. 6121

Virus diseases of rice in Thailand. 6125

Virus diseases of celeriac and carrots in Europe. 6133

Scientists find the cause of the bean wilt disease. 6147

Leafhopper transmission of transitory yellowing of rice. 6167

Isolation of the organism causing yeast-spot disease from the salivary system of the green stink bug. 6176

Vectors of rice viruses in Asia. 6228

PLANT DISEASES

A summary of forest and shade tree insect-disease conditions for Maine 1967. 4979

Transmission experiments on the tungro virus in Thailand. 5429

Specialist advice on groundnuts. 5776

Soya beans - specialist advice. 5777

The sugar beet. 5791

Sorghum - specialist advice. 5793

1969 fruit spraying recommendations for commercial growers. 5802

Soil science and agricultural chemistry. 5805

Plant protectors. 5812

Diseases and pests of coconut in Kerala. 5814

Man insects and pesticides. 5817

Guidelines for production of vegetables for processing in Arkansas. 5833

Granny Smith versus Jonathan. 5840

Pests and diseases of arecanut. 5841

Figs for commercial and home orchards in Louisiana. 5850

Growing camellias. 5859

It takes more than tender, loving care to prevent blackspot. 5870

Mechanisms of pathogenesis in Sclerotium bataticola on sunflowers. 1. Production and translocation of a necrosisinducing toxin. 5890

Poor stands of corn and reduction of root growth caused by Fusarium moniliforme. 5937

Are sick plants dangerous. 5943

Chemical control of bean bacterial diseases in Wisconsin. 5951

Trends in disease. 6000

Fungicides for gladiolus corms. 6002

Control of vegetable insects and diseases. 6017

Khaira disease of rice and its control. 6028

Botrytis flower spot control in orchids. 6037

Cercosporidium helleri on Sphenoclea zeylanica--a new record for India. 6042

Mycological techniques in plant pathology. 6044

Nitrogenous compounds in the xylem sap of American elms with Dutch elm disease. 6083

Plant protection. Bulletin of the plant protection station of Geneva. 6094

Influence of pre- and post-harvest treatments on bitter pit of Granny Smith apples in the Goulburn Valley. 6104

Results of tests of fall colza varieties 1963-1966. 6120

Selecting and breeding coconut palms (Cocos nucifera L.) resistant to lethal yellowing disease. A review of recent work in Jamaica. 6130

Combating bacterial and fungal plant diseases with hexachlorophene(2,2'-methylene bis-(3,4,6-trichlorophenol). Patent 3,420,936. 6134

Cucurbit diseases, an aid to identification and control. 6135

Factors affecting the appearance of holly oaks in Southern California. 6160

Transmission of clover phyllody by a new leafhopper vector, Euscelidius variegatus. 6179

Northern spy, Merton and Malling-Merton rootstocks susceptible to woolly aphid, Eriosoma lanigerum, in the Western Cape. 6180

Control peanut insects and diseases. 6266

Tobacco stalk and root destruction with herbicides and their effect on tobacco mosaic virus. 7249

Relation between black spot and composition of the potato tuber. 7312

Pesticide chemicals; a programmed text. TP248.P47C6. 7419

PLANT ECOLOGY

A contribution to the knowledge of heterosis in potato. 5813

Studies on the natural accumulation of loose smut infection on wheat - Ustilago tritici (Pers.) Jensen. 6020

The response to phosphorus of some ecologically distinct plant species. I. Growth rates and phosphorus absorption. 6058

Weeds and man. 6325

Some factors affecting germination and seedling growth of scotch thistle (Onopordum acanthium L.). 7293

PLANT EMBROS

Penetration and distribution of some antibiotics in cotton tissue and its resistance to bacterial blight of cotton. 7221

PLANT EXTRACTS

The role of phytocides on the pathology of the phytophagous invertebrates. 5616

An antiviral principle from tomatoes systemically infected with tobacco mosaic virus. 5887

The respiratory pathways of tobacco leaves infected with potato virus x. 5918

Factors influencing disease development of putting green turf. 5956

Research on the associated culture of viruses and vegetable tissues. 6049

Potato spindle tuber virus: A plant virus with properties of a free nucleic acid. I. Assay, extraction, and concentration. II. Characterization and partial purification. 6051

Biochemistry of aflatoxins. 6846

Antibiotic lambertellin and method for production. Patent 3,438,998. 7375

PLANT GALLS

A new species of Epuraea associated with eastern gall rust (Coleoptera: Nitioulidae). 5066

Morphology, anatomy and development of the gall of Rhabdophaga ramicola rubs. in Salix purpurea L. 5449

A chemotherapeutic treatment for selectively eradicating crown gall and olive knot neoplasms. 6071

Notes on gall-midges from Israel and their parasites. 6178

A viticultural crisis of more than a quarter of a century: It has been a century since France discovered Phylloxera. 6254

PLANT GENETICS

Kota, a new South Dakota oat. 5775

Modification of gamma ray mutagenic action by temperature shock. 5790

A contribution to the knowledge of heterosis in potato. 5813

Quantitative genetic estimates for brown spot resistance in corn. 5846

Combining abilities and relative dominance among maize inbreds for resistance to earworm injury. 5852

A study of factors influencing the genetics of reaction of barley to root rot caused by Helminthosporium sativum. 5896

Resistance of genes isolated from Avena sterilis to isolates of oat crown rust prevalent in Canada in 1968. 5928

The inheritance of resistance to powdery mildew in the cantaloupe variety seminole. 5953

The expression of R-gene resistance to Phytophthora infestans in tissue cultures of Solanum tuberosum. 5969

Chromosome location and linkage studies involving the Pm3 locus for powdery mildew resistance in wheat. 6013

Studies on the natural accumulation of loose smut infection on wheat - Ustilago tritici (Pers.) Jensen. 6020

Selection of parents and crosses suitable for use in breeding for resistance to scab. 6038

Interrelationships of Ledum species and their rust parasites in Western Canada and Alaska. 6067

Reaction of nitrosoguanidine (N-methyl-N'-nitro-N-nitrosoguanidine) with tobacco mosaic virus and its RNA. 6081

Inheritance of mosaic resistance in sugarcane. 6084

Effects of growth regulators on ear density mutants in barley. 6095

Genetics of and breeding for resistance to rice virus diseases. 6111

Selecting and breeding coconut palms (Cocos nucifera L.) resistant to lethal yellowing disease. A review of recent work in Jamaica. 6130

Radiobiological damage: A new class identified in barley seeds stored after irradiation. 7022

Effect of the moisture content and post-irradiation temperature on the radiosensitivity of wheat and barley seeds. 7239

Occurrence of accessory chromosomes in Panicum maximum Jacq.. 7253

The effect of some treatment conditions on the radiomimetic activity of 1-methyl-3-nitro-1-nitrosoguanidine in plants. 7258

Cytogenic activity of the herbicides-simazine and maleic acid hydrazide. 7302

The mutagenic effect by the action of herbicides on barley. 7303

PLANT GEOGRAPHY

The weed vegetation of flower beds and irrigated cultivations in Cairo and some adjacent provinces. 5837

Helminthosporium solani. 5855

The occurrence of some previously unreported diseases of potatoes in Mexico. 5910

Fusariosis of the legume crops in Lithuania. 3. Main forms of lupine fusariosis and its distribution. 6065

Pyricularia oryzae. 6098

Infestation rate and damage by the Nantucket pine tip moth in six loblolly pine stand categories. 6156

Weeds and man. 6325

Locoweed poisoning. 6581

PLANT GROWTH INHIBITORS

Sorbic acid as an inhibitor of the Fusarinm vasinfectum fungus, which induces wilt in the cotton plant. 6030

Chemical growth inhibition in turf. 6349

Effects of growth retardants on Vitis vinifera L. 7218

Auxin and wall extensibility: Reversibility of auxin-induced wall-loosening process. 7233

Cytochemical effects of indoleacetic acid and kinetin on megagametophytic development in Lilium. 7245

Interaction of CCC and Coumarin or IAA on seedling growth of rice. 7274

Studies on the light sensitivity of Plantago major L. seeds. I. The effect of gibberellin, kinetin and potassium nitrate. 7285

Effect of trifluralin on growth, morphology, and nucleic acid synthesis. 7292

Investigation of the effect of growth inhibitors on shoot growth of Pozegaca plum cultivar. 7300

On the mechanism of gibberellin-auxin interaction. IV. Effect of gibberellin treatment on the oxidative destruction of indoleacetic acid in bean hypocotyl tissues. 7310

Effects of 2-chloroethyl-trimethylammonium chloride (CCC) on yield and lodging of wheat. 7313

Method for controlling the growth of potato plant organisms. Patent 3,443,928. 7328

PLANT HARDINESS

Results of tests of fall colza varieties 1963-1966. 6120

Conversion of 4-(2,4-dichlorophenoxy) butyric acid to homologs by alfalfa; mechanism of resistance to this herbicide. 7264

PLANT HISTOLOGY

Vegetative reproduction in western ironweed. 5839

On the significance of the Lygus species as a plant pest. 6154

Effect of trifluralin on growth, morphology, and nucleic acid synthesis. 7292

PLANT HORMONES

Auxin destruction by Marasmius perniciosus. 5985

Effects of indoleacetic acid on intracellular distribution of Beta-glucanase activities in the pea epicotyl. 7237

Interaction of plant hormones. 7241

Gibberellin and growth in stone fruits: Induction of parthenocarpy in plum. 7251

On the mechanism of gibberellin-auxin interaction. IV. Effect of gibberellin treatment on the oxidative destruction of indoleacetic acid in bean hypocotyl tissues. 7310

PLANT INJURIES

Watch for the cereal leaf beetle. 5186

Controlling the Japanese beetle. 5187

Hard to kill pests of fruit trees - woolly apple-aphid. 5195

Early season insects no problem for B. A. Jordan. 5196

Lawn insects; how to control them. 5658

Bagworm. 5662

Life history, habits, and damage of Chrysobothris orono (Coleoptera: Buprestidae) on red pine in Michigan. 5680

Combining abilities and relative dominance among maize inbreds for resistance to earworm injury. 5852

Growing camellias. 5859

Occurence and host range of Ascochyta phaseolorum in Queensland. 5862

It takes more than tender, loving care to prevent blackspot. 5870

Elytroderma disease of ponderosa pine (Pinus ponderosa) in the Pacific Northwest. 5893

Injured cells required for the initiation of plant virus infections. 5983

Septoria spot on grapefruit in Southern California. 6101

Studies on resistance to yellow mosaic in barley. II. Comparison of varietal reactions to the viruses of different sources and relation between disease symptom and damage. 6103

Fusarium foot-and-stem disease of the carnation. 6127

Field studies on the chemical control of the stem borer Chilo partellus on hybrid sorghum in India. 6143

Damage caused by adults of Lepidoptera Noctuidae in mango fruits in 1964. 6145

Alfalfa hopper damages small soybean plants. 6151

On the significance of the Lygus species as a plant pest. 6154

Alfalfa insects in Ohio. 6158

Effects of the winter moth on growth and mortality of red oak in Nova Scotia. 6173

Insecticidal field treatments for the control of the European corn borer. Ostrinia nubilalis (Hubner) in Southwestern Quebec, 1967. 6193

Bloodworms- pests of rice. 6200

Termites need no longer threaten groundnut in Nimar. 6202

Capsid bugs on fruit. 6225

A viticultural crisis of more than a quarter of a century: It has been a century since France discovered Phylloxera. 6254

Studies on the antifeedant against the catterpillars of Pericallia ricini F. (Arctiidae) and Spodoptera littoralis Boesd. (Noctuidae: Lepidoptera) on castor (Ricinus communis L.). 6259

Effects of spittlebug injury on root production and sod reserves of Coastal bermudagrass. 6264

How to control jute pests economically. 6267

The amount of foliage consumed or destroyed by laboratory-reared larvae of the black-headed budworm, Acleris variana. 6272

Spruce budworm damage symptoms related to radial growth of grand fir, Douglas-fir, and Engelmann spruce. 6275

Insects on trial in fight against lantana. 6276

Phenology of the potato tuber moth, Gnorimoschema operculella Zell., in Israel in the spring. 6280

The golden nematode of potatoes and tomatoes. 6283

The muskrat in Loire-Atlantique. 6410

New contributions to the subject 'birds and agriculture'. 6411

Snails and slugs in Central California. 6413

Determination of residual bHC and lindane quantities in the soil and plants and investigations on their toxicity. 7091

Tobacco stalk and root destruction with herbicides and their effect on tobacco mosaic virus. 7249

Recovery from gamma radiation injury in barley seeds. 7256

Relation between black spot and composition of the potato tuber. 7312

The microfoil boom. 7394

PLANT LAYERING

Propagation of grape (Vitis vinifera L.) by air layering with the aid of plant regulators. 7299

PLANT METABOLISM

Changes in growth and metabolism of excised pea roots associated with iron deficiency. I. Changes in number of cells, nitrogenous constituents and respiration rate. 5856

Phosphate distribution in healthy and TMV infected tomato plants. 6052

Herbicide selectivity. 6317

Properties and effects of WL-9385-D on rice and some weed species. 6332

Nitrogen metabolism in developing seeds of Vicia faba. 7225

The metabolism of 3,4-dichloropropionanilide in plants. Partial purification and properties of an aryl acylamidase from rice. 7246

Arginine metabolism in germinating seeds of some members of the leguminosae. 7255

Enzyme studies in nematode infected root-knots of the tomato plant. 7257

Translocation of the growth retardant N,N'-dimethylaminosuccinamic acid-14C (B-995-14c)9. 7275

Translocation and metabolism of C14-labeled tetramine by Douglas-fir, orchard grass, and blackberry. 7284

Influence of simazine on chloroplast metabolism. 7294

The effect of potassium on the metabolism of sugar beet plants infected with sugar beet yellows virus. Part II. Net assimilation rate and sugar production. 7315

The effect of potassium on the metabolism of sugar beet plants infected with sugar beet yellows virus. Part I. Water balance and the optake of some mineral nutrients. 7316

PLANT MORPHOLOGY

A note on the anatomical derangement in the root tissue of root (wilt) diseased coconut palm. 5383

Utility value of different cultivated Mentha piperita varieties. 5788

Avena magna: An important new tetraploid species of oats. 5824

Relation of beet yellows virus to the phloem and to movement in the sieve tube. 5923

Interrelationships of Ledum species and their rust parasites in Western Canada and Alaska. 6067

Water hyacinth: Noxious weed that must be checked. 6379

Gibberellin and growth in stone fruits: Induction of parthenocarpy in plum. 7251

Effect of trifluralin on growth, morphology, and nucleic acid synthesis. 7292

PLANT MUTATION

Effects of growth regulators on ear density mutants in barley. 6095

PLANT NEMATODE RESISTANCE

Resistance to boll weevil (Anthonomus grandis Boh.) oviposition in cotton. 6197

Burrowing nematodes may survive on variants of milam lemon. 6290

PLANT NEMATODES

The present status of rice pest research and control. A literature review. 5827

Breeding potatoes for resistance to wart and golden nematode. 5828

Interactions of Oospora pustulans, Rhizoctonia solani and Heterodera rostochiensis on the potato. 5917

Peanut pod invasion by fungi in the presence of lesion nematodes in Georgia. 5974

Diseases of fruits and vegetables. 6050

Insect pests of palm trees. 6230

Italian beet culture. The protection against insect pests. 6233

The golden nematode of potatoes and tomatoes. 6283

Regulation in connection with field and greenhouse culture of nursery plants. 6284

Cellulytic and pectolytic enzymes in the nematode, Aphelenchus avenae. 6285

Losses caused by potato cyst eelworm in the Isle of Ely. 6286

Significance of males in reproduction of the soybean cyst nematode (Heterodera glycines). 6288

Morphological variant of Tetylenchus joctus Thorne (Nemata: Tylenchida) associated with cultivated blueberries in Indiana. 6289

Burrowing nematodes may survive on variants of milam lemon. 6290

Control of eelworm diseases of bananas in Western Australia. 6291

Cuticle ultrastructure of the Meloidogyne hapla larva. 6292

A nematological study of some cultivations on the south coast of Spain. 6294

Nematodes and roses. 6297

Cotton and plant parasitic nematodes. 6298

Injury to Heterodera tabacum by high soil temperatures. 6299

'miracle' tree is in trouble. 6301

The conditions for occurrence of potato root eelworm (Heterodera rostochiensis Woll.) in Poland. 6302

A nematode survey of tobacco soils in Rhodesia and Zambia, and the effects of grass-tobacco rotations on nematode populations. 6303

Tropical nematology. 6305

Developmental tendencies in phytonematology. 6308

Gnotobiotic culture and its significance to plant nematology. 6309

Enzyme studies in nematode infected root-knots of the tomato plant. 7257

PLANT NUTRITION

Manures and fertilizers. 5853

It takes more than tender, loving care to prevent blackspot. 5870

Phosphorus, potassium, calcium and magnesium requirements of Maryland tobacco grown on Monmouth soil. 5880

The effect of viral infection on the total choline content in potato and black currant leaves. 5894

Copper deficiency in citrus. 5916

The response to phosphorus of some ecologically distinct plant species. I. Growth rates and phosphorus absorption. 6058

Zinc deficiency may limit maize yields. 6075

Studies on Botrytis cinerea in tomatoes. Effect of soil nitrogen level and of methods of deleafing upon the occurrence of B. cinerea under commercial conditions. 6118

Iron chlorosis in relation to irrigation practices. 6123

Weeds. 6344

Stimulatory effects of gibberellins on the growth of Chlorella pyrenoidosa (Chick). 7224

The effect of magnesium on the growth of lucerne, grown on grey forest soils. 7228

Effect of the composition of the nutrient medium on the amylase localization in Aspergillus oryzae. 7242

On the mechanism of chloride toxicity. 7243

The effect of trace elements on the yield and quality of camomile flowers and peppermint leaves. 7282

Studies on the molybdenum availability.Part III. An attempt to estimate the available molybdenum content in soils in connection with the plant test. 7287

Studies on the molybdenum availability. Part I. Molybdenum uptake by plants under different nitrogen and phosphorus nutrition. 7288

Sulfur response of alfalfa in Western Montana. 7296

The effect of potassium on the metabolism of sugar beet plants infected with sugar beet yellows virus. Part I. Water balance and the optake of some mineral nutrients. 7316

PLANT NUTRITIONAL DEFICIENCIES

Changes in growth and metabolism of excised pea roots associated with iron deficiency. I. Changes in number of cells, nitrogenous constituents and respiration rate. 5856

Metabolic activity of pea root ribosomes under conditions of boron deficiency. 5877

Absorption of boron by bartlett pears. 5898

Italian beet culture. The diseases: Fungi and viruses. 5926

Khaira disease of rice and its control. 6028

Relationship of iron, manganese, and bicarbonate to chlorosis of rice grown in calcareous soil. 6039

Recent trends in disease control in coffee. 6099

Iron chlorosis in relation to irrigation practices. 6123

Identifying manganese deficiency in avocado trees. 6124

The distribution of trace elements in the leaves of the coconut palm, and the effect of trace element injections. 7297

PLANT PEST CONTROL

Watch for the cereal leaf beetle. 5186

Biology and control of leopard moth on pear trees in the United Arab Republic. 5294

The biology and control of the Ceanothus stem-gall moth, Periploca ceanothiella (Cosens). 5446

The role of phytocides on the pathology of the phytophagous invertebrates. 5616

Encyclopedia of phyto-sanitary treatments of grapes in Champagne. 5795

Production of maize in tobacco areas. 5821

The present status of rice pest research and control. A literature review. 5827

Pest and disease control aspect of changing cropping patterns. 5842

Chemical control of harmful insects. 5996

Essay on insecticidal treatments on the apple fruit fly, Rhagoletis pomonella (Walsh) in southwest Quebec. 6237

The golden nematode of potatoes and tomatoes. 6283

Chemistry of pesticides. (JPRS 47038) 7360

PLANT PEST RESISTANCE

Breeding potatoes for resistance to wart and golden nematode. 5828

Some problems of plant-parasite relationship. 5838

Natural durability of some woods used in Hawaii; preliminary findings. 5843

Combining abilities and relative dominance among maize inbreds for resistance to earworm injury. 5852

Northern spy, Merton and Malling-Merton rootstocks susceptible to woolly aphid, Eriosoma lanigerum, in the Western Cape. 6180

The problem of leaf hoppers on paddy. 6252

All we know about pink bollworms. 6271

PLANT PHYSIOLOGICAL DISEASES

Report on experiments with varieties of medium early to late potatoes for human consumption and industrial use 1964-1966 (series 46). 5806

Diseases of fruits and vegetables. 6050

PLANT PHYSIOLOGY

Systemics, a new tool for the home gardener. 5688

Interaction of soil reaction and method of seed inoculation on alfalfa. 5781

Some observations and comments on stem-pitting of peach, its control and a nursery improvement program. 5782

Virus enhancement with a growth product of Streptomyces scabies. I. Production and properties of scaben. 5810

Virus enhancement with a growth product of Streptomyces scabies. II. Increased release of coxsackievirus B5 from hEp-2 monolayers treated with scaben. 5811

A contribution to the knowledge of heterosis in potato. 5813

Response of pines irradiated with lethal and sublethal doses of gamma-radiation. 5829

Growing vegetables in South Dakota. 5832

Effects of age, burial, and region on germination and viability of halogeton seed. 5836

Some problems of plant-parasite relationship. 5838

Vegetative reproduction in western ironweed. 5839

Changes in growth and metabolism of excised pea roots associated with iron deficiency. I. Changes in number of cells, nitrogenous constituents and respiration rate. 5856

Hot-water treatment of seed as a method for decreasing the incidence of certain cotton and flax seedling diseases. 5857

Physiological studies on Phoma betae Frank and Rhizoctonia solani(Prill and Delacr.) Bourd and Galz which cause damping-off and root diseases of sugar beet in Egypt. 5867

It takes more than tender, loving care to prevent blackspot. 5870

Anthracnose in beans:Determination and variations in the malonic acid content in the different parts of healthy and parasitized plants. 5886

Possibilities for inter- and intracellular translocation of some icosahedral plant viruses. 5906

Copper deficiency in citrus. 5916

Interactions of Oospora pustulans, Rhizoctonia solani and Heterodera rostochiensis on the potato. 5917

Effect of red clover vein mosaic virus on dry weight of tissues of Gomphrena globosa. 5922

Relation of beet yellows virus to the phloem and to movement in the sieve tube. 5923

Poor stands of corn and reduction of root growth caused by Fusarium moniliforme. 5937

The action of calcium cyanamide on the development of some basidiomycetes of wood. 5941

Peanut pod invasion by fungi in the presence of lesion nematodes in Georgia. 5974

Effects of kinetin and actinomycin D on the susceptibility of Nicotiana glutinosa L. to infection by tobacco mosaic virus. 6022

Khaira disease of rice and its control. 6028

Physiological changes in sunflowers infected by storage rot. 6041

Mycological techniques in plant pathology. 6044

The response to phosphorus of some ecologically distinct plant species. I. Growth rates and phosphorus absorption. 6058

Corn lodging. I. Relations between soluble solids, inorganic phosphates and basal stalk and root rots in mature plants. 6066

Effects of growth regulators on ear density mutants in barley. 6095

Effects of spittlebug injury on root production and sod reserves of Coastal bermudagrass. 6264

Systemic activity of UC-21149 against the citrus red mite, citrus thrips, California red scale, and spirea aphids on nonbearing orange trees. 6265

'miracle' tree is in trouble. 6301

Herbicide selectivity. 6317

Progress in witchweed control seen as pest fails to spread. 6319

Weed control in field brassica crops. 6321

Competition between burroweed and annual and perennial grasses for soil moisture. 6328

Microsporogenesis of the bird's-foot trefoil (Lotus corniculatus L.). 6329

The effect of three fumigants on natural weed infestation in a tobacco seed bed. 6337

The economic importance of early weed control in cereals. 6354

Herbicidal N,N-dialkenyl-3-chlorobenzamides and method. Patent 3,436,208. 6356

Herbicidal control of western ironweed. 6363

Desmosterol as a common intermediate in the conversion of a number of C28 and C29 plant sterols to cholesterol by the tobacco hornworm. 6835

Radiobiological damage: A new class identified in barley seeds stored after irradiation. 7022

Effect of paraquat on the nitrogen content and regrowth of Coastal bermudagrass (Cynodon dactylon (L.) Pers.). 7219

Effects of organic arsenical herbicides on cotton response and chemical residues. 7222

Influence of some herbicides on accumulation of 32P in above-ground organs of oats. 7223

Stimulatory effects of gibberelins on the growth of Chlorella pyrenoidosa (Chick). 7224

Influence of retardants on the growth and flowering of plants. 7231

Growth characteristics and herbicide susceptibility of Texas Panicum. 7232

Effect of DDT, dieldrin, heptachlor on the growth of selected bacteria. 7234

Effect of DDT, dieldrin and heptachlor on the growth of selected bacteria. (Abstract). 7235

Influence of atrazine and varied carbon and nitrogen amendments on growth of Sclerotium rolfsii and Trichoderma viride in soil. 7236

Effects of indoleacetic acid on intracellular distribution of Beta-glucanase activities in the pea epicotyl. 7237

Influence of herbicides from s-triazine group on dynamics of some biochemical processes of oats in test experiments. Part II. Researches on action of propazine, prometrine, and prometone. 7248

Tobacco stalk and root destruction with herbicides and their effect on tobacco mosaic virus. 7249

Gibberellin and growth in stone fruits: Induction of parthenocarpy in plum. 7251

Effect of the triazine herbicides simazine and atrazine upon young plum trees. 7260

Translocation of labeled assimilates into and out of bean leaves as affected by 2,4-D and benzyl adenine. 7262

A note on cycocel (2-chloroethyl trimethyl ammonium chloride), a newly released plant growth regulant. 7263

Effects of selected herbicides upon growth of soil algae. 7265

Influence of magnesium and zinc fertilizing on the yield, quality as well as health of hops. 7266

Retardation of the elaboration of aflatoxin in cottonseed by impermeability of the seedcoats. 7268

Reaction of selected sorghum varieties and lines to downy mildew. 7270

Formation of adventitious roots in tomato seedlings by CCC treatment. 7273

Interaction of CCC and Coumarin or IAA on seedling growth of rice. 7274

Effect of light and gibberellic acid on the growth of pea internodes. 7277

The effect of microelements on the rate and percentage of germination with lucerne and soybean. 7279

Effect of Bordeaux Mixture spray on fruit set in coffee (Coffea arabica L.). 7283

Studies on the light sensitivity of Plantago major L. seeds. I. The effect of gibberellin, kinetin and potassium nitrate. 7285

Ethylene prevents normal photoperiodic response in Chrysanthemum morifolium. 7286

Effects of herbicides on respiration of red pine seedlings. II. Monuron, diuron, DCPA, dalapon, CDEC, CDAA, EPTC, and NPA. 7290

Some factors affecting germination and seedling growth of scotch thistle (Onopordum acanthium L.). 7293

Increases in the levels of cytokinins in bleeding sap of Vitis vinifera L. after CCC treatment. 7295

The distribution of trace elements in the leaves of the coconut palm, and the effect of trace element injections. 7297

Effects of simulated radioactive fallout decay on growth and yield of cabbage, maize, peas and radish. 7298

Propagation of grape (Vitis vinifera L.) by air layering with the aid of plant regulators. 7299

Assimilation of the herbicide phenazone and its detoxication within plants. 7301

Cytogenic activity of the herbicides-simazine and maleic acid hydrazide. 7302

Effect of acar on bloom date of Richared apples. 7304

The influence of increasing doses of simazine upon the rate of root and green parts growth of winter wheat. 7306

The influence of increasing doses of simazine upon the rate of root and green parts growth of some weeds occuring in the winter wheat stand. 7307

Relation between black spot and composition of the potato tuber. 7312

Response of flax to postemergence herbicides. 7314

Effect of CCC and glycine betaine on growth and growth-substance content of primary leaves of dwarf French bean (Phaseolus vulgaris L.). 7317

Influence of inbreeding carried out during many years on hemp growth and development. 7318

Trials of obtaining artifical tobacco poliploids. 7319

Distribution of labelled plant growth regulators within cells. 7321

Method for controlling the growth of potato plant organisms. Patent 3,443,928. 7328

PLANT PROPAGATION

Figs for commercial and home orchards in Louisiana. 5850

PLANT PROTECTION

Applying insecticides to cotton crops. 4971

Early season insects no problem for B. A. Jordan. 5196

Contribution to the knowledge of the Cosmopolites sordidus (Germar)(Coleoptera, Curculionidae). (2). 5216

Insect answers; insecticide toxicity to alfalfa-pollinating bees. 5394

Use of bioassay in plant protection. 5677

Specialist advice on groundnuts. 5776

Fruit growing note of the season. 5778

Crop protection; computers, simazine, corn seed beetle. 5780

Practical soil biology. 5786

The present and future situation of peach culture in Ferrara. 5789

Sorghum - specialist advice. 5793

Breeding and management of forage crops in the Eastern Plains. 5797

The use of microbiological preparations in plant protection based on entomopathological bacteria Bacillus thuringiensis. 5801

1969 fruit spraying recommendations for commercial growers. 5802

Nursery stock, plants, and seeds. Foreign nurseries certified as producing specified disease-free material. 5803

Pest control as an occupation, formerly and now. II. 5808

Plant protectors. 5812

Diseases and pests of coconut in Kerala. 5814

Pests and diseases of arecanut. 5841

Projects and problems of plant protection in developing countries. 5847

Plant protection is also health protection. 5849

Manures and fertilizers. 5853

Diseases of the seed potato; how to recognize them before planting. 5905

Wheat and stem rust - specialist advice. 5958

Injured cells required for the initiation of plant virus infections. 5983

The problems of plant disease control. 6034

Botrytis flower spot control in orchids. 6037

On the elm-tree dieback. 6043

Plant protection. Bulletin of the plant protection station of Geneva. 6094

Recent trends in disease control in coffee. 6099

Septoria spot on grapefruit in Southern California. 6101

Forest disease control in California; July 1, 1966 to June 30, 1967. aSB761.A3. 6117

An observation on the influence of nitrogen fertilization on the attack of peas by powdery mildew (Erysiphe polygoni DC). 6131

Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen. 6150

The biological control of red scale Aonidiella aurantii (Mask), on citrus in South Africa. 6155

Control of some pests of evergreens. 6162

Comparative efficacy and economics of various measures adopted for eradication of white grub beetle (Holotrichia serrata Fabricius) damaging sugarcane in Uttar Pradesh. 6204

Gypsy moth (Ocneria dispar) control in the roadside plantations. Transl. 17032. 6209

A mite to combat coconut caterpillar. 6218

Controlling peach yellows in a peach breeding program. 6232

Insect pests of grain in the field of Turkey. 6235

A guide to the use of pesticides for the control of agricultural pests. 6240

Preliminary observations on Heteronychus robustus ArrowA beetle pest of sugarcane in Uttar Pradesh. 6250

Effect of climatic factors on the susceptibility of insects to insecticdes. 6251

Fruit spray program for the home orchardist. 6257

Citrus pest control programs for California and Arizona desert areas. 6262

Bark beetles. 6273

Nematodes and roses. 6297

Proclaimed noxious weeds. 6313

Study of certain herbicides against weeds in garden peas. 6392

The biology and control of the rice field mole rat of Ceylon, Gonomys cracilis (Nehring). 6405

New contributions to the subject 'birds and agriculture'. 6411

Agricultural pesticides and their detractors. 7080

High praise for low volume insecticide spraying. 7136

Agricultural and horticultural fungicides-past, present, and future. 7416

PLANT PROTECTIVE DEVICES

Ecdysones and analogs: Effects on development and reproduction of insects. 5835

Some problems of plant-parasite relationship. 5838

PLANT QUARANTINE

Nursery stock, plants, and seeds. Foreign nurseries certified as producing specified disease-free material. 5803

Plant protectors. 5812

PLANT REGULATORS

TIBA fractures the soybean yield barrier. 5787

Auxin destruction by Marasmius perniciosus. 5985

Effects of kinetin and actinomycin D on the susceptibility of Nicotiana glutinosa L. to infection by tobacco mosaic virus. 6022

The response to phosphorus of some ecologically distinct plant species. I. Growth rates and phosphorus absorption. 6058

Effects of growth regulators on ear density mutants in barley. 6095

Studies on Botrytis cinerea in tomatoes. Effect of soil nitrogen level and of methods of deleafing upon the occurrence of B. cinerea under commercial conditions. 6118

Weed problems now and in the past. 6351

Stimulatory effects of gibberelins on the growth of Chlorella pyrenoidosa (Chick). 7224

Foliar penetration of plant growth substances with special reference to binding by cuticular surfaces of pear leaves. 7230

Influence of retardants on the growth and flowering of plants. 7231

Auxin and wall extensibility: Reversibility of auxin-induced wall-loosening process. 7233

Interaction of plant hormones. 7241

Cytochemical effects of indoleacetic acid and kinetin on megagametophytic development in Lilium. 7245

The influence of indole-3-acetic acid and vitamin B1 on the growth and yields of sunflower plants. 7261

Translocation of the growth retardant N,N'-dimethylaminosuccinamic acid-14C (B-995-14c)9. 7275

Effect of light and gibberellic acid on the growth of pea internodes. 7277

Studies on the light sensitivity of Plantago major L. seeds. I. The effect of gibberellin, kinetin and potassium nitrate. 7285

Some factors affecting germination and seedling growth of scotch thistle (Onopordum acanthium L.). 7293

Sulfur response of alfalfa in Western Montana. 7296

Propagation of grape (Vitis vinifera L.) by air layering with the aid of plant regulators. 7299

The mutagenic effect by the action of herbicides on barley. 7303

Effect of acar on bloom date of Richared apples. 7304

Lodging in wheat and its control by (2-chloroethyl) trimethylammonium chloride (CCC) in solid form. 7308

On the mechanism of gibberellin-auxin interaction. IV. Effect of gibberellin treatment on the oxidative destruction of indoleacetic acid in bean hypocotyl tissues. 7310

Distribution of labelled plant growth regulators within cells. 7321

Synthesis of compounds related to gibberellic acid. Iii. Analogs of ring A of the gibberllins. 7327

Aspects of gibberellin biosynthesis. 7349

Novel substituted 1,2,4-triazoles(4H). Patent 3,444,162. 7352

PLANT REPRODUCTION

Vegetative reproduction in western ironweed. 5839

Do small mammals and birds affect reproduction of spruce and fir . 6406

Influence of retardants on the growth and flowering of plants. 7231

PLANT RESPIRATION

Changes in growth and metabolism of excised pea roots associated with iron deficiency. I. Changes in number of cells, nitrogenous constituents and respiration rate. 5856

The respiratory pathways of tobacco leaves infected with potato virus x. 5918

Respiration of tobacco leaves infected with different strains of potato virus X. 5919

Physiological changes in sunflowers infected by storage rot. 6041

Auxin and wall extensibility: Reversibility of auxin-induced wall-loosening process. 7233

Effects of herbicides on respiration of red pine seedlings. II. Monuron, diuron, DCPA, dalapon, CDEC, CDAA, EPTC, and NPA. 7290

PLANT SENESCENCE

Shifting of virus Y from stems to tubers in dependence on the plant age. 5874

Aflatoxin in the groundnut crop at harvest in Northern Nigeria. 7185

PLANT TAXONOMY

The sugar beet. 5791

Identification of races of Piricularia oryzae in Colombia. 5939

Common aquatic weeds. 6398

PLANT TISSUES

Shifting of virus Y from stems to tubers in dependence on the plant age. 5874

Injured cells required for the initiation of plant virus infections. 5983

PLANT TRANSLOCATION

Vegetative reproduction in western ironweed. 5839

Shifting of virus Y from stems to tubers in dependence on the plant age.
5874

Transmission and translocation of red clover vein mosaic virus in clover.
5921

DDT-C14 translocation in alfalfa.
6270

Herbicide selectivity.
6317

Translocation of diazinon from planting water by cabbage and tobacco seedlings.
7122

Effects of indoleacetic acid on intracellular distribution of Beta-glucanase activities in the pea epicotyl.
7237

Translocation of labeled assimilates into and out of bean leaves as affected by 2,4-D and benzyl adenine.
7262

Translocation of the growth retardant N,N'-dimethylaminosuccinamic acid-14C (B-995-14c)9.
7275

Effects of dimethyl sulfoxide on the biological activity of selected miticides and insecticides.
7280

Translocation and metabolism of C14-labeled tetramine by Douglas-fir, orchard grass, and blackberry.
7284

Penetration of chlorinated phenoxyacetic and benzoic acids into leaves.
7289

PLANT WATER RELATIONS
It takes more than tender, loving care to prevent blackspot.
5870

Competition between burroweed and annual and perennial grasses for soil moisture.
6328

PLANTAGO MAJOR
Studies on the light sensitivity of Plantago major L. seeds. I. The effect of gibberellin, kinetin and potassium nitrate.
7285

PLANTATIONS
Gypsy moth (Ocneria dispar) control in the roadside plantations. Transl. 17032.
6209

PLANTING
The sugar beet.
5791

Effects of age, burial, and region on germination and viability of halogeton seed.
5836

Kenaf promising as profit crop.
5851

Growing camellias.
5859

Weed control techniques aid trials with hedge row planting of blackcurrants.
6314

PLANTING DATE
Pest and disease control aspect of changing cropping patterns.
5842

PLANTS
Sex-Determination.
5273

Notes on larval host acceptance in a California population of Plebejus acmon (Lycaenidae).
5331

Some observations on the interrelations of plants and insects in the foothills of southern Tajikistan.
6229

PLASMODIOPHORA BRASSICAE
Chemicals for control of cabbage clubroot - Plasmodiophora brassicae Wor. IV. Effect on the pathogen.
5915

Detection of Plasmodiophora brassicae races 2 and 6 in Ontario.
6056

PLASMODIUM
Recent advances in the physiology and biochemistry of Plasmodia.
5526

Influence of synthetic insect T. C. medium on the survival of malaria sporozoits in vitro (Plasmodium berghei yoeli and P. cathemerium).
6576

Plasmodium brasilianum in Columbian monkeys.
6704

Blood parasites found in imported birds at post-mortem examination.
6987

PLASMODIUM FALCIPARUM
Falciparum malaria transmissible from monkey to man by mosquito bite.
5751

PLASMOLYSIS
Immuno-fluorescent study of antibody formation in immunization of guinea pigs with a live brucella culture.
6478

PLASTICS
Methods for protecting melons from cucumber mosaic virus. The benefit of covering the soil .with plastic reflecting films.
6015

PLASTIDS
Changes of plastids which arise under the influence of turnip yellow mosaic virus.
6016

PLATELETS
Hematological effects of apholate on channel catfish (Ictalurus punctatus).
7156

PLATYPODIDAE
On some Scolytidae and Platypodidae of economic importance from the territory of Papua and New Guinea. 250. Contribution to the morphology and taxonomy of the Scolytoidea).
5142

PLECOPTERA
North American species of Taeniopteryx (Plecoptera, Insecta).
5132

The distribution of nymphs of Brachyptera risi Mort. and Nemoura flexuosa Aub. (Plecoptera) in relation to oxygen.
5453

Apparent DDT tolerance in an aquatic insect disproved by test.
5622

Life cycles of benthic insects in Lapland streams (Ephemeroptera, Plecoptera, Trichoptera, Diptera Simuliidae).
5653

PLESIOCORIS RUGICOLLIS
Capsid bugs on fruit.
6225

PLEUROPNEUMONIA
Study of the virulence of Contagious Bovine Pleuropneumonia organism (Assam strain) on subcutaneous pathogenicity test.
6542

PLEUROPNEUMONIA-LIKE ORGANISMS
Special reference to viral and P. P. L. O. infections.
6741

PLUMS
Spraying trials against Sclerotinia diseases of plums on flowers and fruits.
6053

New disease in European plums.
6129

Gibberellin and growth in stone fruits: Induction of parthenocarpy in plum.
7251

Effect of the triazine herbicides simazine and atrazine upon young plum trees.
7260

Investigation of the effect of growth inhibitors on shoot growth of Pozegaca plum cultivar.
7300

PNEUMONIA
Contribution to the study of prophylaxis of bovine pneumonia in the Republic of Haute-Volta.
6551

Bovine respiratory disease, diagnosis and control.
6593

POA
The stripe smut problem in Merion Bluegrass.
5965

Fusarium blight and Merion bluegrass.
6114

POA ANNUA
Arsenic and low phosphate soils.
6360

PODISUS MACULIVENTRIS
The effect of predator age on the functional response of Podisus maculiventris to the prey size of Galleria mellonella.
5485

PODOSPHAERA LEUCOTRICHA
Effect of 6-azauracil against apple powdery mildew and apple scab.
5909

PODZOL SOILS
Third contribution to the knowledge of keratinolytic and keratinophilic soil fungi in the region of Szczecin.
5818

POECILMITIS
A new species of Poecilmitis Butler (Rhopalocera) from the South Western Cape.
5120

POISONING
Ergot disease of bajra--its symptoms and control.
6100

A laboratory method for assessing the toxicity of stomach poisons to slugs.
6407

Relation between DDT in diets of laying birds and viability of their eggs.
6431

Pig diseases.
6489

An outbreak of male fern (Dryopteris filix-mas) poisoning.
6822

Thallium poisoning in dogs.
6884

Notes on precautions to be taken in the use of spray chemicals.
7159

The management of cases of suspected poisoning.
7173

Diagnosis and treatment of poisoning in cats and dogs.
7183

Zieria arborescens (stinkwood) intoxication in cattle.
7188

Clinical and laboratory notes on parathion poisoning in fowl, screening availabilities in meat and various tests.
7196

Poisoning on the farm. A report of a case of organophosphorus poisoning. (abstract).
7197

Fluorosis in cattle and sheep, observed around industrial plants in Bulgaria.
7205

Ammonia poisoning in carp. 3. The oxygen content as a factor influencing the toxic limit of ammonia.
7208

Combating poisoning due to insecticides.
7211

POISONOUS PLANTS
Proclaimed noxious weeds in Victoria.
6312

Water hyacinth: Noxious weed that must be checked. 6379

Locoweed poisoning. 6581

Ergot poisoning of cattle grazing Dallisgrass. 6596

Cassia occidentalis toxicosis in cattle. 6717

Variation in concentration and composition of toxic alkaloids among strains of Phalaris tyberisa L. 6750

Lupine, a cause of crooked calf disease. 6815

Common poisonous plants in home and grounds. 7161

Zieria arborescens (stinkwood) intoxication in cattle. 7188

POISONS

Heart poisons in the monarch butterfly. 5554

Thallium poisoning in dogs. 6884

Thieves in the poultry house. 7041

Symptoms of intoxications by poisonous pesticides. (JPRS 46216) 7143

Maximum place of work concentrations of health-endangering industrial materials. 7154

Experimental arsanilic acid poisoning in pigs. 7169

Economic poisons containing certain pesticide chemicals for certain uses. Cancellation of registration. 7170

POLARIZATION

Polarized light observations on striated muscle contraction in a mite. 5198

POLIOENCEPHALOMALACIA

Polioencephalomalacia: Response to thiamine treatment in sheep and a cow. 6539

POLISTES

Unique problems in insect and pest control of NASA's Mississippi Test Facility. 5755

POLLEN

Effect of the age of pollen used in pollen supplements on their nutritive value for the honeybee-li. Effect of vitamin content of pollens. 5347

Effect of the age of pollen used in pollen supplements on their nutritive value for the honeybee. I. Effect on thoracic weight, development of hypopharyngeal glands, and brood rearing. 5348

Substances that attract caged honeybee colonies to consume pollen supplements and substitutes. 5565

Microsporogenesis of the bird's-foot trefoil (Lotus corniculatus L.). 6329

POLLINATION

Insect-flower associations in the high Arctic with special reference to nectar. 5366

Figs (Ficus spp.) and fig-wasps (Chalcidoidea). 6190

Weeds. 6344

Influence of inbreeding carried out during many years on hemp growth and development. 7318

POLYHEDROSES

Ultrastructure of a cytoplasmic polyhedrosis virus affecting the monarch butterfly, Danaus plexippus. I. Development of virus and normal polyhedra in the larva. 5197

Pathogens of the gypsy moth. 5289

Conditions determining the initiation and development of nuclear polyhedrosis epizootics in Lepidoptera. 5506

The study of virus epizootics in insect populations. 5625

Initiation of polyhedrosis production in vitro. 5685

Determination of nucleopolyhedron counts and size frequency distributions by means of a Coulter transducer. 6009

Concerning a mass population increase of the false pine webworm, Acantholyda erythrocephala Chr. in Steinfeld, Lower austria, in the years 1964-1967. Preliminary communication. 6196

Virus diseases as limiting factors of some lepidopterous defoliators on poplar trees in Vojvodina. 6249

POLYMERIZATION

The oxygen binding properties of some larval hemoglobins of Chironomus th. thummi. 5606

POLYMERS

Enhancement by 2,4-dichlorophenoxyacetic acid of chromatin RNA polymerase in soybean hypocotyl tissue. 7278

POLYMORPHISM

The effects of implantations of corpora allata on reproduction of collected females of Schistocerca gregaria (Forsk.) and on the polymorphism of their progeny. 5255

The breeding of Lytta vesicatoria in the laboratory and demonstration of cantharidin synthesis in larvae. 5468

Sexual dimorphism of larvae and pupae of Aedes aegypti (Linn.). 5659

Polymorphism in Pieris: Supposed lethality of homozygous subtalba (Lep., Pieridae). 5697

On polymorphism within a chromosomes from populations of ground beetles Carabus auronitens Fabr. 5745

Morphological variant of Tetylenchus joctus Thorne (Nemata: Tylenchida) associated with cultivated blueberries in Indiana. 6289

POLYMYXIN

Lower alkanoyl esters of polymyxin antibiotics. Patent 3,450,687. 7350

POLYOXYETHYLENE DERIVATIVES

On antibiotic-antimycotic therapy in cattle mastitis. 6802

POLYPLOIDY

Nucleic acid content of a diploid and of a triploid strain of Drosophila melanogaster. 5705

Utility value of different cultivated Mentha piperita varieties. 5788

Avena magna: An important new tetraploid species of oats. 5824

Trials of obtaining artifical tobacco poliploids. 7319

POLYSACCHARIDES

Fungal polysaccharide composition and method for making same. Patent 3,436,311. 7244

POMPILIDAE

Spider wasps of Finland (Hym., Pompiloidea). 5171

PONDS

Ammonia poisoning in carp. 3. The oxygen content as a factor influencing the toxic limit of ammonia. 7208

PONGAMIA

Pongamia cake can control tobacco beetle. 6201

POPILLIA JAPONICA

Controlling the Japanese beetle. 5187

POPULATION

Observation on the sex ratio in Pieris brassicae (L.) (Lepidoptera-Pieridae). 5233

Selection for divergent emigration rates in laboratory populations of Musca domestica. 5269

Rates of competitive exclusion by the Argentine ant in Bermuda. 5274

Incidence of Bacillus popilliae (Dutky) in Costelytra zealandica (White) larva. 5406

The significance of oviposition rates in the egg parasite, Trichogramma embryophagum Htg.. 5410

Estimation of the individual number entering each development stage in an insect population. 5413

Intraspecies competition in a field population of Gregopimpla himalayensis (Hymenoptera: Ichneumonidae) parasitic on Malacosoma neustria testacea (Lepidoptera: Lasiocampidae). 5600

Functional response to host density in a parasitic wasp, with reference to population regulation. 5640

Effects of selection and migration on geotactic and phototactic behaviour of Drosophila. II. 5702

The variation from year to year of the concentration and allelism of lethal mutations in neighbouring natural populations of Drosophila melanogaster. 5707

Timing insecticide applications for European corn borer control in Southwestern Quebec, 1967. 6194

Chemical control of codling moth with DDT and sevin, the resistance problem of codling moth to DDT and additional observations on the effect of fruit thinning of sevin. 6195

Effect of range treatment with 2,4-D on rodent population. 6408

New contributions to the subject 'birds and agriculture'. 6411

The effects of DDT on a breeding population of the rufoussided towhee (Pipilo e. erythrophthalmus Linnaeus). 6418

POPULATION STATISTICS

Quantitative genetic estimates for brown spot resistance in corn. 5846

Chlorinated hydrocarbons and eggshell changes in raptorial and fish-eating birds. 7108

POPULUS

Biological observations on Aegeria apiformis Cl. 5642

Virus diseases as limiting factors of some lepidopterous defoliators on poplar trees in Vojvodina. 6249

POPULUS BALSAMIFERA

Rhytidiella moriformis n. gen., sp. causing rough-bark of Populus balsamifera. 6140

PORASWAMMERDAMIA CAESIELLA
How do native insect parasites behave in relation to imported insect hosts, alien to the native fauna 5695

PORK
Survival of encysted larvae of Trichinella spiralis: Effect of exposure to 0 F, using precooled and fresh ground pork. 7039
Interaction of salt, pH, and temperature on the growth and survival of Salmonellae in ground pork. 7047
Salmonella food poisoning associated with imported canned meat. 7050
Investigations into the source of bacterial contamination of pork. II. In steaming. 7054

PORTHETRIA DISPAR
Studies on the sex ratio of the gypsy moth. 5248
Pathogens of the gypsy moth. 5289
Utilization of Bacillus thuringiensis in the control of Porthetria dispar in Spain. 5575
Those hungry gypsies (Photo story). 6189
Gypsy moth (Ocneria dispar) control in the roadside plantations. Transl. 17032. 6209

POSTHITIS
Effect of thiabendazole on ovine posthitis. 6827
The control and treatment of posthitis. 6829

POTASSIUM
A sodium and potassium stimulated adenosine triphosphatase in the cockroach nerve cord. 5337
Ionic composition of haemolymph and nervous function in the cockroach, Periplaneta americana L. 5528
Intracellular concentration of electrolytes in the housefly. 5598
A relationship between ionic environment and hormonal activation of phosphorylase in an insect. 5629
An anion-stimulated adenosine triphosphatase from the potassium-transporting midgut of the larva of Hyalophora cecropia. 5651
Phosphorus, potassium, calcium and magnesium requirements of Maryland tobacco grown on Monmouth soil. 5880
Chemicals for control of cabbage clubroot Plasmodiophora brassicae Wor. IV. Effect on the pathogen. 5915
Interaction of rubidium and potassium in chick diets. 6797
Industrial fertilizers as herbicides seen in the light of new and old experiments. 7102
Relation between black spot and composition of the potato tuber. 7312
The effect of potassium on the metabolism of sugar beet plants infected with sugar beet yellows virus. Part II. Net assimilation rate and sugar production. 7315
The effect of potassium on the metabolism of sugar beet plants infected with sugar beet yellows virus. Part I. Water balance and the optake of some mineral nutrients. 7316

POTASSIUM IODIDE
Use of potassium iodide in the treatment of ovarian cysts in cows. 6552

POTASSIUM NITRATE
Studies on the light sensitivity of Plantago major L. seeds. I. The effect of gibberellin, kinetin and potassium nitrate. 7285

POTASSIUM PHOSPHATE
Influence of atrazine and varied carbon and nitrogen amendments on growth of Sclerotium rolfsii and Trichoderma viride in soil. 7236

POTATOES
Egg reduction of the Colorado beetle (Leptinotarsa decemlineata Say) as a hunger-dependent reaction. 5650
Report on experiments with varieties of medium early to late potatoes for human consumption and industrial use 1964-1966 (series 46). 5806
A contribution to the knowledge of heterosis in potato. 5813
Breeding potatoes for resistance to wart and golden nematode. 5828
Helminthosporium solani. 5855
Arsenal for disease control. 5864
It takes more than tender, loving care to prevent blackspot. 5870
Shifting of virus Y from stems to tubers in dependence on the plant age. 5874
The effect of viral infection on the total choline content in potato and black currant leaves. 5894
Diseases of the seed potato; how to recognize them before planting. 5905
The occurrence of some previously unreported diseases of potatoes in Mexico. 5910
Potato early blight and storage rot. 5911
Interactions of Oospora pustulans, Rhizoctonia solani and Heterodera rostochiensis on the potato. 5917
Purification of potato virus X and preparation of infectious ribonucleic acid by degradation with lithium chloride. 5930
The expression of R-gene resistance to Phytophthora infestans in tissue cultures of Solanum tuberosum. 5969
The behavior of potato mop-top virus in soil, and evidence for its transmission by Spongospora subterranea (Wallr.) Lagerh. 5979
Selection of parents and crosses suitable for use in breeding for resistance to scab. 6038
Potato spindle tuber virus: A plant virus with properties of a free nucleic acid. I. Assay, extraction, and concentration. II. Characterization and partial purification. 6051
The nematode of stems and tubercles (Ditylenchus destructor Thorne) as a dangerous potato pest. 6057
Tests on the behavior of X and Y viruses of some rieties of potatoes, important in Brazil. 6079
Phenology of the potato tuber moth, Gnorimoschema operculella Zell., in Israel in the spring. 6280
Generalities on the white potato grub Premnotrypes vorax (Hustache). 6282
The golden nematode of potatoes and tomatoes. 6283
Regulation in connection with field and greenhouse culture of nursery plants. 6284
Losses caused by potato cyst eelworm in the Isle of Ely. 6286
The conditions for occurrence of potato root eelworm (Heterodera rostochiensis Woll.) in Poland. 6302
Are herbicides doing their job . 6311
Problems of herbicide treatments in the potato crop. 6327
Reduction in or elimination of cultural practices in potato cultures following the application of herbicides. 6394
A new disease of potato tubers caused by Gilmaniella humicola Barron. 7029
The effect of some herbicides on weediness and yield of potatoes on alluvium soil. 7227
Relation between black spot and composition of the potato tuber. 7312
Method for controlling the growth of potato plant organisms. Patent 3,443,928. 7328
Pest control with helicopter and biplane. 7391

POTEBNIAMYCES
Potebniamyces (Phacidiella) disease of the true firs in British Columbia. 5936

POULTRY
Parasite phylogeny problems of the Mallophaga of Passeriformes and Piciformes. 5693
Shell products for animal health. 6423
Isotopes in agriculture. 6440
Newcastle disease in poultry. 6455
Fungal flora of the avian respiratory tract. 6591
Ranikhet disease can be controlled. 6638
Experimental Pasteurella infection in normal and chloropromazine-premedicated cockerels, subjected to heat stress. 6657
Abortion in cattle associated with the feeding of poultry litter. 6679
Special reference to viral and P. P. L. O. infections. 6741
The in vitro sensitivity of avian salmonella strains to 6 drugs. I. Investigation on 1024 strains isolated 1945-1958. 6808
Lice and mites in poultry. 6890
1969 insect control guide for Colorado. III. Livestock pests, poultry pests, farm fly control. 6892
Pre-treated rice hull litter for the control of the lesser mealworm (Alphitobius diaperinus Panzer). 6896
Insect and mite pests of livestock, poultry, and farm buildings. 6899

Respiratory mites of poultry in the territory of Papua New Guinea. 6909

Pelecitus ceylonensis n. sp. from the chick and ash-dove experimentally infected with larvae from Mansonia crassipes, and from naturally-infected crows in Ceylon. 6938

Growth and development of poultry echinostomatids in the organism of definitive host. 6961

Aeschna grandis L., a new additional host of prosthogonimus cuneatus (Rud., 1809) (Trematoda. Prosthogonimidae). 6962

Thieves in the poultry house. 7041

Clinical and laboratory notes on parathion poisoning in fowl, screening availabilities in meat and various tests. 7196

Carotenoid compounds. Patent 3,446,801. 7335

POULTRY DISEASES

Sanitary legislation in France concerning animal salmonellosis. 6417

Turkey management guide. 6441

Newcastle disease in poultry. 6455

The precision of virus end-point determinations. 6458

Studies on an ocular infectious laryngotracheitis vaccine. 6459

A new fowl pox vaccine. 6467

Aspergillus flavus meningo-encephalitis in chickens and geese. 6476

The morphologic response of the turkey oviduct to certain pathogenic agents. 6483

Studies on acute Marek's disease. VIII. The role of mosquitoes in transmission under experimental conditions. 6498

Studies on avian encephalomyelitis. IV. Early incidence and longevity of histopathologic lesions in chickens. 6506

Some outbreaks of turkey erysipelas. 6510

Methods of serological diagnosis in caprine Brucellosis. A comparative study. 6516

Immune response of chickens to six strains of Newcastle disease virus as measured by hemagglutination-inhibition test. 6517

Location and time of penetration of duodenal epithelial cells by Eimeria acervulina sporozoites. 6555

A complement fixation test for the study of avian mycoplasma. 6583

Newcastle disease in Francolinus francolinus, Francolinus pondicerianus and in Bambusciola thoracica. 6588

Further studies on avian biliary cirrhosis with particular reference to aetiology. 6590

Some observations on Marek's disease (fowl paralysis). 6595

Magnesium requirement of the laying hen for reproduction. 6607

Genetic resistance to leukosis caused by the JM virus in the fowl. 6612

The characteristics of Staphylococcus aureus isolated from cases of staphylococcosis in poultry. 6614

Some characteristics of Staphylococcus aureus isolated from the skin and upper respiratory tract of domesticated and wild (Feral) birds. 6615

Clostridium septicum infection in a broiler flock. 6622

Spontaneous and experimental aflatoxicosis of ducks. 6626

The incidence of drug resistant strains of Eimeria in chickens in Great Britain, 1966. 6629

Localization of P32 labeled Mycobacterium tuberculosis in fowl organisms. 6636

Early changes in bursa of Fabricius from Marek's disease. 6642

Schiff bases of 2-formylquinoxaline-1,4-dioxides as growth promoters and systemic and non-systemic infection control agents in animals. Patent 3,433,871. 6650

Central-nervous-system lesions of spontaneous Pasteurella anatipestifer infection in ducklings. 6654

Control of Marek's disease by the use of inoculated chicken embryo fibroblasts. 6677

Marek's disease: A review. 6678

Arthritis in chickens due to Staphylococcus aureus. 6680

Histologic features of atherogenesis and aortic rupture in turkeys. 6684

Safety and compatibility of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad spectrum coccidiostat-antibacterial, in chickens. 6707

Anticoccidial activity of sulfadimethoxine potentiated mixture (Ro 5-0013) in chickens. 6726

Myxoviruses of animals. 6728

A new influenza A virus infection in turkeys. IV. Experimental susceptibility of domestic birds to virus strain turkey/Ontario 7732/1966. 6737

A new influenza A virus infection in turkeys. V. Pathology of the experimental disease by strain turkey/Ontario 7732/66. 6738

Aspergillosis in Japanese quail. 6749

Studies on infectious laryngotracheitis (ILT) virus of poultry. I. Isolation and identification of the virus. 6775

Studies on infectious laryngotracheitis (ILT) virus of poultry. II. Survey of the infection by immuno-diffusion test. 6776

Changes in permeability of the mucosa during intestinal coccidiosis infections in the fowl. 6777

The use of an avian polyvalent vaccine in central Africa. 6780

A hemagglutination-inhibition test for Mycoplasma meleagridis antibodies. 6787

Herpesvirus in Marek's disease tumors. 6800

Epidemic prophylaxis and control of infectious diseases in large modern poultry farms. 6801

Egg transmission studies of Type II leukosis infection (Marek's disease). 6809

Fowl pox inclusion-body formation in skin epithelium of chicks. 6817

Animal diseases and pests. 6818

Tuberculosis in ducks. 6819

Practice of pullorum disease eradication at a poultry plant in Baku. 6820

Dynamics of Salmonella infection in chicks reared on litter. 6823

Experimental transmission of Histomonas meleagridis and Heterakis gallinarum by the sow-bug, Porcellio scaber, and its implications for further research. 6830

Evaluation of several methods of isolating salmonellae from poultry litter and animal feedstuffs. 6836

The significance of deep litter for prophylaxis of chicken coccidiosis. 6842

A preliminary report on the incidence of infectious laryngotracheitis (ILT) of poultry by gel-diffusion test. 6852

Occurrence of infectious bronchitis of poultry in India. 6853

The transmission of west equine encephalomyelitis virus from chicken to chicken by Culex pipiens (SAY). 6856

Cell culture techniques for primary isolation of Marek's disease-associated herpesvirus. 6872

Evidence for a herpesvirus as an etiologic agent of Marek's disease. 6873

Histochemical studies in chick ascaridiasis. 6925

Coumaphos, a new anthelmintic for control of Capillaria obsignata, Heterakis gallinarum, and Ascaridia galli in chickens. 6940

Parasitological situation on the hen farms in Lithuania. 6960

The organisation of the australian poultry industry and its influence on disease. 7405

POULTRY FARM MANAGEMENT

Control of sparrows on poultry farms. 6443

POULTRY HOUSES

Clostridium septicum infection in a broiler flock. 6622

A histologic study of medullary bone of laying hens under different diet and housing conditions. 6789

Isolation of Arizona 7:1,7,8 from litter of pens housing infected turkeys. 6824

Helminthological evaluation of deep litter in poultry houses. 6986

POULTRY INDUSTRY

Zootechnical initiatives carried out during 1966. 6422

Epidemic prophylaxis and control of infectious diseases in large modern poultry farms. 6801

Practice of pullorum disease eradication at a poultry plant in Baku. 6820

The organisation of the australian poultry industry and its influence on disease. 7405

POULTRY MANURE

The bacterial population of an indoor poultry lagoon. 6416

POULTRY MEAT
Clinical and laboratory notes on parathion poisoning in fowl, screening availabilities in meat and various tests. 7196

POULTRY PRODUCTS
Improving egg quality in poultry by orally administering androgens. Patent 3,438,783. 6433
Heat resistance of Salmonella in various egg products. 7057

POULTS
Eimeria adenoeides and E. meleagrimitis: Pathogenic effect in turkey poults. 6620

POWDERY MILDEW
Effect of 6-azauracil against apple powdery mildew and apple scab. 5909
The inheritance of resistance to powdery mildew in the cantaloupe variety seminole. 5953
The powdery mildews on the ornamental plants. 5982
Chromosome location and linkage studies involving the Pm3 locus for powdery mildew resistance in wheat. 6013
Diseases of pulses pose a challenge to plant pathologists, breeders. 6047
An observation on the influence of nitrogen fertilization on the attack of peas by powdery mildew (Erysiphe polygoni DC). 6131

POXVIRUSES
Studies on goat-pox virus. II. Serological reactions. 6806

PRAON
Two new species of Praon Haliday from Czechoslovakia (Hym., Aphidiidae). 5146

PRATYLENCHUS
Races of Pratylenchus penetrans, and their effect on black root rot resistance of tobacco. 6300
A nematode survey of tobacco soils in Rhodesia and Zambia, and the effects of grass-tobacco rotations on nematode populations. 6303
Chemical soil treatment for nematode control in tobacco. 6307

PRATYLENCHUS BRACHYURUS
Peanut pod invasion by fungi in the presence of lesion nematodes in Georgia. 5974

PRATYLENCHUS PENETRANS
Injury to Heterodera tabacum by high soil temperatures. 6299

PRAYS OLEELUS
Observations on the use of a preparation of Bacillus thuringiensis var. thuringiensis Berliner, for the control of the olive moth (Prays oleae Bern.). 5686

PRECIPITATION
Report of the Suffolk County Mosquito Control Commission. 5633

PRECIPITIN TEST
Immunotaxonomic investigations of the Coleoptera. 5007
A physico-chemical approach to the serological diagnosis of cysticercosis. 6976
Antigenic relationships of the venom of Atractaspis microlepidota to that of other snakes. 7186

PREDACEOUS INSECTS
Contribution to the knowledge of the Cosmopolites sordidus (Germar)(Coleoptera, Curculionidae). (2). 5216
Western pine beetle: Field response to its sex pheromone and a synergistic host terpene, myrcene. 5217
Oviposition responses by aphidophagous Syrphipae (Diptera). 5260
Final report, studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan; June 1961-June 1966. Part I. Scale insects. 5323
Final report, studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan. June 1961 - June 1969. Part II. Fruit flies. 5324
Final report. Studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan, June 1961 - June 1966. Part III. Mites. 5325
Integrated insect control - a payoff from research. 5435
The Columbian timber beetle, Corthylus columbianus. VII. The effect of climatic integrants on historic density fluctuations. 5464
The effect of predator age on the functional response of Podisus maculiventris to the prey size of Galleria mellonella. 5485
The ingestion in wolf spiders. I. Capacity of gut of Lycosa pseudoannulata. 5493
New record of a braconid parasite, Apantales colemani Viereck., from the larvae of Euproctis lunata Walker. 5514
Physiological studies on the digestion of coccinellid beetles (Coleoptera: Coccinellidae), with special reference to their food habits. 5579
Egg reduction of the Colorado beetle (Leptinotarsa decemlineata Say) as a hunger-dependent reaction. 5650
Field experiments with Trichogramma brasiliensis Fland. for the possible control of the pink bollworm of cotton, Pectinophora gossypiella Saund., in Mexico. 6198
A mite to combat coconut caterpillar. 6218
Can we conquer the 'mighty' mites . 6293
Adaptation,culturing of R. sibirica in rabbit lice and preparation of a combined antigen for diagnosis of infection. 6783

PREDATORY ANIMALS
Studies on the effectiveness of fox den fumigation for rabies control in the district of Wolgast. 6696
The feeding habits of the yellow mongoose, Cynictis penicillata, the suricate, Suricata suricatta and the Cape ground squirrel, Xerus inauris. 1. Analysis of stomach contents 2. Observations on free-living and captive animals. 6886

PREDNISONE
On antibiotic-antimycotic therapy in cattle mastitis. 6802

PREEMERGENCE
Pre-emergence weed control in the nursery. 6383

PREGNANCY
Some observations on the incidence of Brucellosis in animals in West Pakistan. 6471
A progressive spastic syndrome in cattle. 6481

PREMNOTRYPES VORAX
Generalities on the white potato grub Premnotrypes vorax (Hustache). 6282

PREVENTIVE MEDICINE
The organization of the collective prophylaxis of infectious animal diseases in France. 6520
On antibody metabolism in pigs and calves, following the application of homologous and heterologous specific gamma-globulins. 6718
Trichophytosis prophylaxis by feeding. 6770

PRICES
News on economics. 7408

PROBOSCIDEA JUSSIEUI
Proclaimed noxious weeds in Victoria. 6312
Proclaimed noxious weeds. 6313

PROCAINE
Use of potassium iodide in the treatment of ovarian cysts in cows. 6552

PRODENIA LITURA
Metabolism of organophosphorus insecticides. IX. Distribution, excretion and metabolism of dimethoate Prodenia lituria. (abstract). 5690

PRODUCTION ECONOMICS
Guidelines for production of vegetables for processing in Arkansas. 5833
Aspects of the industrial production of microbial insect control agents. 7404
U. S. pesticide production again tops billion pound level. 7407
Costs to produce avocados in Ventura County. 7413

PRODUCTIVITY
Guidelines for production of vegetables for processing in Arkansas. 5833

PROFITS
Kenaf promising as profit crop. 5851

PROGESTERONE
Treatment of anoestrus in dairy cattle. 6624
Effect of exogenous progesterone on Corpora lutea in unilaterally hysterectomized heifers. 6876
Method of controlling reproductive cycle with 6alpha - methyl - 17alpha hydroxyprogesterone 17-acetate. Patent 3,444,296. 7374

PROGRAMMING (COMPUTERS)
Log-normal spray drop distribution analyzed by two new computer programs. 7402
Pesticide chemicals; a programmed text. TP248.P47C6. 7419

PROMAZINE HYDROCHLORIDE
Promazine hydrochloride in endotoxin shock in a horse (a case report). 6525

PROMETONE
Influence of herbicides from s-triazine group on dynamics of some biochemical processes of oats in test experiments. Part II. Researches on action of propazine, prometrine, and prometone. 7248

PROMETRYNE

Results from experiments with herbicides for weed control in pea grain crops grown in Dobroudja. 6336

Preplanting applications of prometryne in cotton. 6340

Chemical weed control in tropical root crops. 6352

Herbicides in cotton and their compatibility with soil-applied insecticides. 6388

Study of certain herbicides against weeds in garden peas. 6392

The influence of some electrolytes on the adsorption and release of symmetrical triazines on some organic colloids. 7104

The effect of some herbicides on weediness and yield of potatoes on alluvium soil. 7227

Influence of herbicides from s-triazine group on dynamics of some biochemical processes of oats in test experiments. Part II. Researches on action of propazine, prometrine, and prometone. 7248

PROPANIL

The water weevil problem. 6146

Studies on a biological and a chemical method of controlling the dark rice field mosquito in Louisiana. (abstracts). 6168

Broadleaf weed control in rice. 6370

Chemical weed control in high yielding rice varieties. 6393

The metabolism of 3,4-dichloropropionanilide in plants. Partial purification and properties of an aryl acylamidase from rice. 7246

PROPAZIN

Influence of herbicides from s-triazine group on dynamics of some biochemical processes of oats in test experiments. Part II. Researches on action of propazine, prometrine, and prometone. 7248

PROPERDIN

Specific activation of the properdin system in orientation experiments for a therapeutic control of bovine leukosis. 6727

PROPERTIES

The sexual difference in the silk worm cocoons relative to the optical properties. 2. Fluorescent spectro-characteristics of cocoons. 4973

Characterization of a cytoplasmic fraction from Sindbis virus-infected cultures. 6553

Properties of pasteurella organisms isolated from birds fed antibiotics for a long period. 6569

Immunogenic properties of polyvalent and associated emulsion vaccine against paratyphoid fever and brucellosis of sheep. 6637

Properties of the in vitro soluble RNA methylase activity of hamster tumors induced by adenovirus-12. 6713

PROPIONATES

Effects of Salmonella senftenberg injection on chicks hatched from eggs in treatment of testosterone propionate. 6736

PROPIONIC ACID

Volatile fatty acids excreted by Fasciola hepatica, L.. 7006

The preparation of L- and D-alpha-amino-beta-methylaminopropionic acids and the identification of the compound isolated from Cycas circinalis as the L-isomer. 7311

PROPYLENE GLYCOL

On antibiotic-antimycotic therapy in cattle mastitis. 6802

PROSAPIA BICINCTA

Effects of spittlebug injury on root production and sod reserves of Coastal bermudagrass. 6264

PROSOPIS JULIFLORA

Competition between burroweed and annual and perennial grasses for soil moisture. 6328

PROSTHOGONIMUS CUNEATUS

Aeschna grandis L., a new additional host of prosthogonimus cuneatus (Rud., 1809) (Trematoda. Prosthogonimidae). 6962

PROTECTIVE CLOTHING

The permeability of protective clothing and packing materials in regard to insecticidal phosphoric acid derivatives. 7339

PROTEIN SYNTHESIS

Metabolic activity of pea root ribosomes under conditions of boron deficiency. 5877

Cell-free synthesis of tobacco mosaic virus coat protein and its combination with ribonucleic acid to yield tobacco mosaic virus. 6073

PROTEINASES

On the bacterial effect of ionizing irradiation on certain microorganisms. Second communication. A study of the bactericidal effect of gamma rays on certain bacteria and the spores of Bac. anthracis. 6425

PROTEINS

Immunotaxonomic investigations of the Coleoptera. 5007

A comparative electrophoresis study of the Triatoma rubida Complex (Hemiptera: Reduviidae: Triatominae). 5181

Effects of temperature on Drosophila--V. Weight and water, protein and RNA content. 5247

Action of proteinic brain hormone to the prothoracic gland in an insect, Bombyx mori L. (Lepidoptera: Bombycidae). 5412

Effect of starvation on the scorpion Palamnaeus bengalensis. 5612

Assembly of protein and nucleoprotein particles from extracted tobacco rattle virus protein and RNA. 6074

S.N.F. content of milk. 6446

Catabolite repression in Escherichia coli. A study of tow hypotheses. 6732

Study of the transfer of amino acids from aminoacyl transfer ribonucleic acid into protein by ribosomes from uredospores of the bean rust fungus. 6879

Ancylostoma caninum: Food reserves and changes in composition with age in third stage larvae. 6928

The dynamics of total protein amount and protein fractions in the blood serum during experimental pig trichocephaliasis. 6971

Effect of DDT and dieldrin on RNA and protein synthesis in subcellular fractions of HeLa S cells. 7097

Effect of paraquat on the nitrogen content and regrowth of Coastal bermudagrass (Cynodon dactylon (L.) Pers.). 7219

Influence of simazine on chloroplast metabolism. 7294

The nature of activating action of dinitrophenol on ATPASE activity of myosin. 7365

PROTEUS

Cross-protection against Salmonella enteritidis infection in mice. 6528

PROTONS

The mutagenic effect of 600 MeV protons in Drosophila melanogaster. 5717

PROTOZOA

An octosporeosis of the black blowfly Phormia regina: Effect of temperature on the longevity of diseased adults. 5419

Diagnosis of the diseases of insects. 5455

Recent advances in the physiology and biochemistry of Plasmodia. 5526

Suitable blood sources permitting reacquisition of infectivity by culture-form Trypanosoma (Trypanozoon) brucei. 6461

Duck coccidia in the Lithuanian SSR. 6472

On the domestic geese coccidia in the Lithuanian SSR. 6473

Methods of controlling protozoa infections with N-substituted 1,4-diamino 2,3-anthraquinonedicarboximides. Patent 3,436,460. 6495

Eimeria adenoeides and E. meleagrimitis: Pathogenic effect in turkey poults. 6620

An assessment of eimerian lesions in buffalo-calves (Bubalus bubalis) and their significance. 6759

A survey of parasites in laboratory primates. 6998

PRUNING

The 24-inch branch as a sample unit for egg mass surveys of the western budworm. 5463

Fruit growing note of the season. 5778

PRUNUS

Nursery stock, plants, and seeds. Foreign nurseries certified as producing specified disease-free material. 5803

PSALLUS SERIATUS

Two methods of operating a vacuum sampler to sample populations of the cotton fleahopper on wild hosts. 5559

PSENINI

Contribution to the knowledge of Indo-Australian, South Pacific and East Asiatic Psenini genus Psen latreille (Hymenoptera, Sphecidae). 5092

PSEUDOCOCCIDAE

Analysis of chronatin in male and female mealy bugs. (Planococcus citri). 5718

Growing camellias. 5859

Control of some pests of evergreens. 6162

Pests of legume seed crops in north Queensland. 6245

PSEUDOCOCCUS

Discovery of the genus Anusioidea Girault from Asia (Hymenoptera: Chalcidoidea-Encyrtidae). 5152

PSEUDOMONAS AERUGINOSA
Cross-protection against Salmonella enteritidis infection in mice. 6528
A new antibiotic: Gentamicin sulphate in Pseudomoniasis by Pseudomonas aeruginosa in Chinchilla laniger. 6570
An enzooty of strangles caused by virus A2 equi Miami 63 in the region of Lyon. 6656
An unusual case of pseuoomonas conjunctivitis in a Siamese cat. 6663

PSEUDOMONAS FLUORESCENS
Effect of DDT, dieldrin, heptachlor on the growth of selected bacteria. 7234
Effect of DDT, dieldrin and heptachlor on the growth of selected bacteria. (Abstract). 7235

PSEUDOMONAS PHASEOLICOLA
Chemical control of bean bacterial diseases in Wisconsin. 5951

PSEUDOMONAS SAVASTANOI
A chemotherapeutic treatment for selectively eradicating crown gall and olive knot neoplasms. 6071

PSEUDOMONAS SYRINGAE
Chemical control of bean bacterial diseases in Wisconsin. 5951

PSEUDORABIES
Clinical observation of experimental pseudorabies in mink and ferrets. 6600
Influence of various strains of the Aujeszky virus on the metabolism of cells cultured in vitro. 6658
On antibody metabolism in pigs and calves, following the application of homologous and heterologous specific gamma-globulins. 6718
Avirulent mutant of Aujeszky's virus, induced by 5-iodo-2-deoxiuridine (IUDR). 6838
Comparative study of the Aujeszky virus and of the herpes simplex virus by the immunofluorescence method. II. Kinetic study of the herpes simplex virus by the immunofluorescence method. 6843
Pathomorphological studies on rabbits and guinea-pigs experimentally infected with the virus of Aujeszky's disease. 6854

PSEUDORABIES VIRUS
Clinical observation of experimental pseudorabies in mink and ferrets. 6600
Effect of cytostatics on the replication of vaccinia, pseudo-rabies and sindbis viruses and on the interferon production by tissue culture cells. 6791
Detection of pseudorabies virus by immunofluorescence. 6833

PSEUDOSINELLA
New species of Pseudosinella from caves (Insecta: Collembola). 5045

PSEUDOTSUGA MENZIESII
Mites collected from Douglas-fir foliage in Montana. 5030
The 24-inch branch as a sample unit for egg mass surveys of the western budworm. 5463
A microbiological control of Melampsora medusae. 6011
Control of some pests of evergreens. 6162
Spruce budworm damage symptoms related to radial growth of grand fir, Douglas-fir, and Engelmann spruce. 6275
Design and analysis of forest-mammal repellent tests. 6404
Translocation and metabolism of C14-labeled tetramine by Douglas-fir, orchard grass, and blackberry. 7284

PSILA ROSAE
Guide lines for the testing of materials on carrot flies on carrots. 6169

PSILIDAE
Guide lines for the testing of materials on carrot flies on carrots. 6169

PSOCOPTERA
The electrentomoid psocids (Psocoptera). 5105
Wing reduction in endemic Hawaiian psocids. 5643

PSORERGATES
New descriptions of Psorergate species (P-sorergatidae: Trombidiformes). 5093

PSOROPHORA CONFINNIS
Studies on a biological and a chemical method of controlling the dark rice field mosquito in Louisiana. (abstracts). 6168

PSOROPTES OVIS
Evaluation of acaricidal dips for control of Psoroptes ovis on sheep. 6900

PSYCHIDAE
Bagworm. 5662

PSYCHODIDAE
New contribution to the knowledge of the Italian Psychodidae (Diptera). 5141

PSYLLIODES CHRYSOCEPHALA
New insecticides against pests of rape and beets. 6248

PTERIDIUM
Bracken and locust ecdysones: Their effect on molting in the desert locust. 5251

PTERIDOPHYTA
A revision of the fern aphids of Japan with descriptions of three new species (Homoptera: Aphididae). 5104

PTEROMALIDAE
Evaluation of some parameters of the individual energy budget of the larvae of Pteromalus puparum (L.) (Pteromalidae) and Pimpla instigator (Fabr.) (Ichneumonidae). 5264

PTERYGOSOMIDAE
Study of the cycle of Geckobia latastei and Geckobia loricata, Acarine parasites of the Gecko Tarentola mauritanica. 5044
The biology of the conenose bug parasite, Pimeliaphilus plumifer Newell and Ryckman (Acarina: Pterygosomidae) (Hemiptera: Reduviidae). 5191
Ecological observations on three species of Pimeliaphilus parasites of triatominae in the United States (Acarina: Pterygosomidae) (Hemiptera: Reduviidae). 5192

PUBLIC HEALTH
The control of the house fly in the city of Tunis. 5297
Public health pesticides. 5764
Plant protection is also health protection. 5849
Sanitary legislation in France concerning animal salmonellosis. 6417
Interagency environmental hazards coordination; pesticides and public policy. 7423

PUCCINIA ANTIRRHINI
Snapdragon rust. 5882

PUCCINIA CORONATA
Studies on the varietal characters of Italian ryegrass. III. Varietal difference in degree of infection by crown rust. 5984
A single-spore analysis of rust pustules produced by mixing isolates of two races of Puccinia coronata var. avenae. 7023

PUCCINIA HORIANA
Rare symptoms on Chrysanthemum morifolium infected with Puccinia horiana. 6139

PUCCINIA POLLINIAE
Studies on aecial development in rust fungi: Puccinia polliniae. 6082

PUCCINIA STRIIFORMIS
The occurrence and observation of Puccinia striiformis in the State of Washington. 5935
Investigations on yellow rust in wheat and barley, 1962-1965. 6096

PULICIDAE
Effect of differences in ambient temperature upon the fate of Pasteurella pestis in Xenopsylla cheopis. 6894

PULLORUM DISEASE
Practice of pullorum disease eradication at a poultry plant in Baku. 6820

PULMONARY ADENOMATOSIS
Induction of lung adenomatosis (jaagziekte) in sheep. II. 6564

PUMPKINS
Feeding of Aulacophora foveicollis on cucurbitacin. 6253

PUPAE
The immature stages of Lype diversa (Banks) (Trichoptera, psychomyiidae). 5032
Notes on some larval and pupal chironomids (Diptera) from Lake Kariba, Rhodesia. 5101
The infection of immature aquatic insects by larval Paragordius (Nematomorpha). 5167
Biochemical correlates of respiratory and developmental changes in anoxic Tribolium confusum pupae. 5408
Production of dauer pupae in Bombyx mori L. 5482
Visual centers during postembryonic life of Callosobruchus maculatus (F.). 5588
Sex pheromones of noctuid moths. XIII. Changes in pheromone quantity, as related to reproductive age and mating history, in females of seven species of Noctuidae (Lepidoptera). 5603
Growth of cells derived from Culiseta inornata and Aedes vexans in tissue culture. A preliminary note. 5638
An infection of Streptococcus faecalis Andrewes et Horder in the pine looper moth, Bupalus piniarius L. (Lepidoptera, Geometridae). 5654
Sexual dimorphism of larvae and pupae of Aedes aegypti (Linn.). 5659

Crossing-over in the males of Drosophila ananassae: exchanges in irradiated pupae.
5712

Hylemyia cilicrura Rond. on the Dianthus cultures of Pescia and Versilia.
6174

Type C Botulism in a dove (Streptopelia roseogrisea bornuensis) from Ferlo (Senegal).
6557

PUPAL CASES
The sexual difference in the silk worm cocoons relative to the optical properties. 2. Fluorescent spectro-characteristics of cocoons.
4973

Puparium formation in flies: Contraction to puparium induced by ecdysone.
5223

Effect of ligaturing on puparium formation in the larva of the tsetse fly, Glossina morsitans Westwood.
5432

PURIFICATION
Potato spindle tuber virus: A plant virus with properties of a free nucleic acid. I. Assay, extraction, and concentration. II. Characterization and partial purification.
6051

PURIFICATION PROCEDURES
Purification of potato virus X and preparation of infectious ribonucleic acid by degradation with lithium chloride.
5930

PYCNIDIA
Biology of Ascochyta species parasitic on pea plants.
6023

PYEMOTES VENTRICOSUS
A mite to combat coconut caterpillar.
6218

PYRALIDAE
Contributions to a study of the Pyraustinae (Lepidoptera: Pyralidae) of temperate East Asia. V.
5109

Functional response to host density in a parasitic wasp, with reference to population regulation.
5640

Field studies on the chemical control of the stem borer Chilo partellus on hybrid sorghum in India.
6143

PYRAUSTIDAE
Field test of lindane against overwintering broods of the western pine beetle.
5094

Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen.
6150

PYRAUSTINAE
Contributions to a study of the Pyraustinae (Lepidoptera: Pyralidae) of temperate East Asia. V.
5109

PYRAZON
Assimilation of the herbicide phenazone and its detoxication within plants.
7301

PYRETHRUM
How to control bed bugs.
5185

Development and study of filler composition of aerosol dispensers for controlling flying insects.
5660

Malaria and victory in Vietnam.
5763

Study of the insecticidal action of trans-chrysanthemate alletrholone on Musca domestica.
6693

Saving stored rice from attacks of insect pests.
7037

On the toxicology of Pyrethrum to warm blooded animals.
7384

PYRGOMORPHIDAE
Further records of some little-known Pyrgomorphidae and Trigonopterygidae from Fiji, New Guinea and Borneo (Orthoptera: Acridoidea).
5081

PYRIDINE
Pyridine esters of cyclopropanecarboxylic acid. Patent 3,438,993.
7385

PYRIDINE COMPOUNDS
Pyridine composition and method for attracting insects. patent 3,325,355.
5330

PYROGALLOL
Detection and differentiation of pathogenic Clostridia and their toxins.
7144

PYRRHOCORIDAE
Studies on the anatomy of the male reproductive system of the red-cotton bug, Dysdercus cingulatus (Fabr.), (Heteroptera, Pyrrhocoridae).
5229

PYRUVIC ACID
Polioencephalomalacia: Response to thiamine treatment in sheep and a cow.
6867

PYTHIUM
Effects of fungicide drenches on established poinsettia plants.
7267

PYTHIUM APHANIDERMATUM
Serological differentiation of Pythium aphanidermatum from Phytophthora parasitica var. nicotianae and Ph. parasitica.
6021

PYTHIUM ULTIMUM
Fungicides and turf disease control - 1964.
5883

Q FEVER
Serological investigations into Q-fever in sheep.
6760

Detection of complement fixing antibody to the agents of tick typhus fever of northern Asia and Q fever in wild animals of the extreme north of western Siberia.
6810

Infection of some species of Gamasidae with R. burneti in the natural Q-fever foci.
6910

QUAIL
Transmission of classical Marek's disease by affected and carrier birds.
6666

Aspergillosis in Japanese quail.
6749

QUALITY CONTROL
Corn with built-in insurance.
5796

Juice quality of grapefruit following June versus September applications of a 412 paraffinic petroleum oil with data on control of certain pests.
7238

QUANTITATIVE ANALYSIS
S.N.F. content of milk.
6446

Metabolic substances of Staphylococcus aureus of bovine udder origin - a quantitative study.
6739

Strontium-90: Concentrations in surface waters of the Atlantic Ocean.
7070

Separation and quantitative analysis of the active ingredient dimethoate and of its changed components contained in emulsions and wettable powders.
7325

A comparison of new techniques for the detection and determination of triazine herbicides separated by thin-layer chromatography. III. Fluorescence quenching.
7343

QUARANTINE
Watch for the cereal leaf beetle.
5186

Domestic quarantine notices. White-fringed beetle.
5620

The golden nematode of potatoes and tomatoes.
6283

No serious problem with pesticide residues.
7089

QUATERNARY AMMONIUM COMPOUNDS
The effect of quaternary ammonium compounds on Newcastle disease virus and parainfluenza virus.
6670

Comparative susceptibility of Aspergillus towards various fungicides and antiseptics.
7226

QUERCUS
Tree-wounding insects as vectors of the oak wilt fungus.
6055

Experiments to control acorn weevils with systemic insecticides. dorsey, c k.
6142

Contribution to the knowledge of Microlepidoptera on oaks in Israel.
6258

QUERCUS ILEX
Factors affecting the appearance of holly oaks in Southern California.
6160

QUERCUS RUBRA
Effects of the winter moth on growth and mortality of red oak in Nova Scotia.
6173

QUINOLINE
Anticoccidial composition containing 6,7-disubstitutedquinoline 3-carboxylates. Patent 3,448,193.
7364

Pyridine esters of cyclopropanecarboxylic acid. Patent 3,438,993.
7385

RABBITS
An instrument to hold rabbits for blood sucking Simuliid experiments.
5574

All must pull their weight in pest control.
6409

Adrenergic mechanism in Bordetella pertusis treated animals.
6475

Studies on Salmonella infection among rabbits in the U. A. R.
6479

Biological assay of virus contents of tissues of rabbits infected with lapinised rinderpest virus.
6485

Immunofluorescent and immunophoretic data on antigenic properties of Candida albicans.
6490

Hepatic lesions in the rabbit caused by Vibrio sp.
6512

Clinical observation of experimental pseudorabies in mink and ferrets.
6600

Studies on the method of experimental infection of Vibrio parahaemolyticus. I. Infection of Vibrio parahaemolyticus into intestinal segments of rabbits. II. Influence of chemotherapeutic agents on intestinal segments of rabbit infected with Vibrio parahaemolyticus.
6617

Staphylococcus epizootic in western Oregon cottontails.
6712

Electron microscopy study of the localization of antigens in a virulent and an avirulent strain of Francisella tularensis, using mercury-labelled antibodies.
6719

The evaluation of the metabolic-inhibition technique for the study of Mycoplasma gallisepticum.
6839

Pathomorphological studies on rabbits and guinea-pigs experimentally infected with the virus of Aujeszky's disease.
6854

The development of the infective larva of the canine oesophageal tumour worm Spirocerca lupi in rabbits and its histopathology.
6926

The effects of low temperature on the sporulation and survival of oocysts of Eimeria perforans, media, magna and irresidua.
6944

Cortisone nephropathy in the rabbit. The effect of warfarin administration.
7195

On the behavior of xanthurenic acid in rabbits treated with massive doses of pyridoxine.
7203

RABIES

Rabies, disease of today. Its new etiological and epidemiological aspects.
6519

Infectious disease review: newer concepts of rabies.
6563

Zoonoses in india.
6667

Studies on the effectiveness of fox den fumigation for rabies control in the district of Wolgast.
6696

A case of pruriginous rabies in goats.
6742

Diagnosis of rabies. What is necessary in the field laboratory.
6743

The feeding habits of the yellow mongoose, Cynictis penicillata, the suricate, Suricata suricatta and the Cape ground squirrel, Xerus inauris. 1. Analysis of stomach contents 2. Observations on free-living and captive animals.
6886

RABIES VIRUS

A contribution to the knowledge of trophism in rabies virus.
6566

Hemagglutinin of rabies and some other bullet-shaped viruses.
6611

The experience with the indirect immunofluorescence application to the rabies virus identification.
6632

A formalinized and adjuvanted rabies vaccine of tissue culture origin.
6683

Action of Bayer preparation A 139 on rabies virus.
6785

RADIATION

The modification of embryologic differentiation processes through total radiotherapy in eggs of Gryllus domesticus.
5362

New strategy against the codling moth.
5520

Elimination of radiation-induced chromosome aberrations in experimental populations of Drosophila melanogaster.
5723

Isotopes in agriculture.
6440

Susceptibility of scrapie agent to ionizing radiation.
6575

Effect of the moisture content and post-irradiation temperature on the radiosensitivity of wheat and barley seeds.
7239

Recovery from gamma radiation injury in barley seeds.
7256

Photochemical decomposition of DDT by a free-radical mechanism.
7361

RADIOACTIVE CONTAMINATION

Veterinary treatment of farm animals in the case of external radioactive contamination. First communication. Veterinary treatment of sheep and pigs externally contaminated with phosphorus32 and strontium89.
6428

Strontium-90: Concentrations in surface waters of the Atlantic Ocean.
7070

Effects of simulated radioactive fallout decay on growth and yield of cabbage, maize, peas and radish.
7298

RADIOACTIVE ISOTOPES

Oxidative metabolism of C14-labeled Baygon by living house flies and by house fly enzyme preparations.
5604

Synthesis of radioactive Trichinella spiralis larval antigen in vitro.
6799

Biochemical and biophysical characteristics of vesicular exanthema virus and the viral ribonucleic acid.
6864

RADIOACTIVE SUBSTANCES

Excretion of radioactive mestranol in the milk of animals.
6444

Penetration of chlorinated phenoxyacetic and benzoic acids into leaves.
7289

Metabolism of DDT by rumen microorganisms in vitro. (Abstract).
7345

RADIOACTIVE TRACERS

The localization of spermidine in salivary gland cells of Drosophila melanogaster and its effect on H-3-uridine incorporation.
5288

Metabolism of aniline in the cattle tick Boophilus microplus Canestrini.
5368

Contribution to the physiology of the guest-host-relations (myrmecophily) in ants. 1. The relation between the myrmecophilic Atemeles- and Lomechusa-larvae and Formica.
5369

Fatty acid metabolism in D. melanogaster: Formation of palmitoleate.
5404

A bioassay to characterize strains and preparations of Bacillus thuringiensis Berliner.
5451

Utilization of larval cholestrol-4-C14 for reproduction in house flies fed unlabeled cholesterol in the adult diet.
5481

The use of radioactivity for the assessment of dose in bioassays involving bacterial insect pathogens.
5566

A study of the synthesis of lysopine from lysine by crown-gall tissues.
5994

Synthesis of saturated long chain fatty acids from sodium acetate-1-C14 by Mycoplasma.
6772

Metabolic fate of histidine in the parasitic worm Fasciola hepatica L..
6965

Translocation and metabolism of C14-labeled tetramine by Douglas-fir, orchard grass, and blackberry.
7284

Distribution of labelled plant growth regulators within cells.
7321

RADIOACTIVITY

More abstracts of papers presented at the 1967 Annual Wildlife Disease Conference Urbana, Illinois June 15-16, 1967.
6533

Tumor localizing agents VI. Radioiodinated analogs of dichlorodiphenyldichloroethane (DDD).
6536

Retention and vooatilization of lindane and DDT in presence of organic colloids isolated from soils and leonardite.
7129

RADIOBIOLOGY

On the biosynthesis of cantharidins. I.
5594

Radiobiological damage: A new class identified in barley seeds stored after irradiation.
7022

RADIOGRAPHY

Radiographic study of intestinal transit in a higher termite.
5418

Duodenal leiomyosarcoma: A case report.
6491

Rheumatoid arthritis in a dog.
6695

RADIOISOTOPES

Isotopes in agriculture.
6440

RADISHES

Reduction of residues of heptachlor and chlordane in carrots with soil applications of activated carbon.
7085

Effects of simulated radioactive fallout decay on growth and yield of cabbage, maize, peas and radish.
7298

RADOPHOLUS SIMILIS

Burrowing nematodes may survive on variants of milam lemon.
6290

Tropical nematology.
6305

RAINFALL

Sorghum - specialist advice.
5793

Splash dispersal of fungus spores and fungicides in the laboratory and greenhouse.
5799

Trends in disease.
6000

Effect of climatic factors on the susceptibility of insects to insecticdes.
6251

Competition between burroweed and annual and perennial grasses for soil moisture.
6328

Experiments with fattening pigs on pasture.
6426

RAMS

Clinical and pathological studies of Border Leicester rams naturally infected with Actinobacillus seminis.
6487

Brucella ovis infection. 2. The infection status in breeding flocks as measured by examination of rams and the perinatal lamb mortality.
6618

Histopathological examination of the kidneys of a ram who died of a urethral obstruction due to sedimentosis.
6646

RANATRA

Centromere nature of the chromosomes of Ranatra (Heteroptera).
5701

RANGE MANAGEMENT

Effect of range treatment with 2,4-D on rodent population.
6408

RANGES

Range recovery and production as influenced by nitrogen and 2,4-D treatments.
5826

RAPE

Ecological studies on aphids. 1. On the temperature relations of the Virginoparae (Aliencolae)

of Myzus persicae at constant temperatures on Swedes.
5675

Indications on plant care for olive crop cultivation.
6192

New insecticides against pests of rape and beets.
6248

Matricaria and lambsquarter control in Brassicas with analogs of propachlor.
6368

RATS

Plant insect and disease control in Peru.
6061

A new method of rat control in coconuts.
6412

Effect of some pesticides on the adrenal glands in the rat.
6424

Excretion of radioactive mestranol in the milk of animals.
6444

Combined action of Rous sarcoma virus and chemical carcinogen in rats.
6456

Tumor localizing agents VI. Radioiodinated analogs of dichlorodiphenyldichloroethane (DDD).
6536

A contribution to the knowledge of trophism in rabies virus.
6566

In vivo growth and distribution of anthrax bacilli in resistant, susceptible, and immunized hosts.
6653

Studies on Mycoplasma of rats. I. Observation of Mycoplasma in the respiratory system of rats.
6752

Evidence for conversion of DDT to TDE in rat liver: II. Conversion of p,p'DDT to p,p'TDE in axenic rats.
6753

Effects of aflatoxin B1 on polysomal profiles and RNA synthesis in rat liver.
6793

Tolerance status of some rats to an anticoagulant rat poison.
7038

Anticoagulant resistance in Europe.
7040

Thieves in the poultry house.
7041

Note on the evaluation of the efficacy of rodenticides.
7044

No effect level of DDT in induction of microsomal epoxidation.
7105

Effects in warmblooded animals of thiometon (2-ethylthioethyl o,o-dimethylthiophosphate) ingested in drinking water.
7149

Enhanced metabolism of methyprylon, meprobamate, and chlordiazepoxide hydrochloride after chronic feeding of a low dietary level of DDT to male and female rats.
7152

Purification and properties of in vitro--produced anthrax toxin components.
7162

Effect of aminotriazole on thyroid function in the rat.
7164

Aversion to strychnine sulfate by Norway rats, roof rats, and pocket gophers. (abstract).
7171

An in vitro and in vivo study of the effect of DDT on the phagocytic activity of rat white blood cells.
7174

Effect of carbaryl on the neuroendocrine system of rats.
7201

RATTLE DISEASE

Assembly of protein and nucleoprotein particles from extracted tobacco rattle virus protein and RNA.
6074

RED BAND (PINUS)

Hosts and geographic distribution of Scirrhia pini--the cause of red band needle blight in California.
5895

RED CLOVER

Transmission and translocation of red clover vein mosaic virus in clover.
5921

Control of survival of Ophiobolus graminis between consecutive crops of winter wheat.
6072

Control of insects on alfalfa and red clover.
6185

RED LEAD

Controlling stem-end rot of ripe mango.
6035

RED RING

Tropical nematology.
6305

REDPEPPERS (VEGETABLE)

Investigation of means for the chemical control of basal rot (Phytophthora capsici Leon.) of pepper.
6010

Nitrogen increases bell pepper susceptibility to bacterial soft rot.
7309

REDUVIIDAE

Notes on synomynus of African Reduviidae.
5164

A comparative electrophoresis study of the Triatoma rubida Complex (Hemiptera: Reduviidae: Triatominae).
5181

The biology of the conenose bug parasite, Pimeliaphilus plumifer Newell and Ryckman (Acarina: Pterygosomidae) (Hemiptera: Reduviidae).
5191

Ecological observations on three species of Pimeliaphilus parasites of triatominae in the United States (Acarina: Pterygosomidae) (Hemiptera: Reduviidae).
5192

Study of variations in neurosecretion at the level of the brain and the sub-esophageal ganglion in the female imagos of Rhodnius prolixus (Stal) Hemiptera.
5202

Histophysiological studies on neurosecretion in the ventral nervous system of Rhodnius prolixus Stal (Hemiptera) during the imago stage.
5213

Mechanical transmission of Trypanosoma lewisi (Kinetoplastida: Trypanosomidae) by Rhodnius prolixus (Hemiptera: Reduviidae).
5261

REFERENCE MATERIALS

Encyclopedia of phyto-sanitary treatments of grapes in Champagne.
5795

REFLEXES

Central control of an insect segmental reflex. II. Analysis of the inhibitory input from the metathoracic ganglion.
5311

REGULATION (PESTICIDES)

1969 tree fruit spray guide.
6183

Progress in witchweed control seen as pest fails to spread.
6319

Agricultural pesticides and their detractors.
7080

Persistent pesticides.
7083

University of Wisconsin scientists discuss insecticides and pollution.
7088

Pesticide residues - USDA'S position.
7139

REGULATIONS

The control of the house fly in the city of Tunis.
5297

Domestic quarantine notices. White-fringed beetle.
5620

Fewer pesticides- More control.
5656

Notes on pesticides and weedicides.
5823

Plant protection is also health protection.
5849

Interstate transportation of animals and poultry. Brucellosis. Miscellaneous amendments.
6462

Disease prevention in the piggery.
6544

Interstate transportation of animals and poultry. Brucellosis. Designation of modified certified brucellosis areas, public stockyards, specifically approved stockyards, and slaughtering establishments. Modified certified brucellosis areas.
6798

Calcium oxytetracycline. Notice of extension of temporary tolerance.
7117

Toxicology of plant protection preparations. Tolerance limits for toxic residues.
7127

Notice of filing of petition for food additives.
7157

Notice of withdrawal of petition for food additives dienestrol diacetate, amprolium, and penicillin.
7158

Antibiotics. Use in animals.
7177

Notice of withdrawal of petition for food additives.
7178

Use of antibiotics in animals.
7181

Veterinary prescription drugs. Directions for use.
7182

RENAL OSTEODYSTROPHY

Suspected primary hyperparathyroidism in the dog.
6601

REOVIRUSES

Avian reoviruses. IV. Relationship to human reoviruses.
6548

REPELLENCY TESTS

Design and analysis of forest-mammal repellent tests.
6404

REPORTS

Proceedings of the Entomological Society of Ontario.
5158

Final report, studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan; June 1961-June 1966. Part I. Scale insects.
5323

Final report, studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan. June 1961 - June 1969. Part II. Fruit flies.
5324

Final report. Studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan, June 1961 - June 1966. Part III. Mites.
5325

Report on forest research for the year ended March 1968.
5845

Collected papers on cereal diseases. (Septoria, Fusarium, yellow rust).
5881

Report of the Committee on Nomeclature of Rice Virus Diseases.
6031

Cotton production: Insects - comparative economic insect report.
6219

Nebraska's specific pathogen-free (SPF) swine program; tenth year report.
7016

Poisoning on the farm. A report of a case of organophosphorus poisoning. (abstract).
7197

Permissible levels of occupational exposure to airborne toxic substances. Sixth report of the joint ILO/WHO Committee on Occupational Health.
7216

Interagency environmental hazards coordination; pesticides and public policy.
7423

REPRODUCTION

Effects of reroductive-diapause boll weevil (Heliothis zea Boddie) insecticidal control programs on the abundance of bollworms and tobacco budworms (Heliothis virescens F.) in cotton in the rolling plains of Texas, 1967.
5236

Results of consecutive matings of female Anopheles gambiae species B with fertile and sterile males.
5242

The effects of implantations of corpora allata on reproduction of collected females of Schistocerca gregaria (Forsk.) and on the polymorphism of their progeny.
5255

Studies on interspecies competition between the azuki bean weevil and the southern cowpea weevil. III. Some characteristics of strains of two species.
5318

The influence of the duration of copulation on the fertility of the females of Acanthoscelides obtectus Say (Insecta Coleoptera).
5376

Estimation of the individual number entering each development stage in an insect population.
5413

Conditions for the massive multiplication of the intestinal cytoplasmic virus of Mamestra brassicae L. (Lepidoptera).
5426

Hormonal control of the reproductive diapause in the grasshopper, Oedipoda miniata.
5522

Oogenesis in the parthenogenetic stick insect Sipyloidea sipylus Westwood (Orthoptera, Phasmidae).
5529

Intraspecies competition in a field population of Gregopimpla himalayensis (Hymenoptera: Ichneumonidae) parasitic on Malacosoma neustria testacea (Lepidoptera: Lasiocampidae).
5600

Ecological studies on aphids. I. On the temperature relations of the Virginoparae (Aliencolae) of Myzus persicae at constant temperatures on Swedes.
5675

Male genital disc defect in Drosophila melanogaster.
5683

Effects of sublethal doses of DDT on the reproduction and susceptibility of Culex pipiens L.
5773

Comparative behavior of the oospores and oogonia of Phytophthora citricola during germination on an artificial medium.
5798

Significance of males in reproduction of the soybean cyst nematode (Heterodera glycines).
6288

Effects of dimetridazole and antibiotics on growth and reproduction in turkeys.
6415

On the effect of Sevin on sexual functions of warm-blooded animals.
6439

Treatment of anoestrus in dairy cattle.
6624

Ovarian cycle in cows with irregular estrus cycles.
6644

The influence of streptococci on the genitals and fertility of thoroughbred mares.
6804

Chlorinated hydrocarbons and eggshell changes in raptorial and fish-eating birds.
7108

Propagation of grape (Vitis vinifera L.) by air layering with the aid of plant regulators.
7299

REPRODUCTIVE ORGANS

Genitalia of the types of Chilean Satyridae on deposit at the British Museum.
5061

Studies on the anatomy of the male reproductive system of the red-cotton bug, Dysdercus cingulatus (Fabr.), (Heteroptera, Pyrrhocoridae).
5229

New contributions to the study of chalcids in the Socialist Republic of Rumania (XIV).
5234

Rates of evolution in the Dermaptera.
5291

The male genetalia of Sepullia murrayi (Fairmaire Signoret (Homoptera: Cercopoidea).
5326

Chemosterilization of the two-spotted spider mite. I. Effect of chemosterilants on the biology of the mite. II. Histopathological effect of apholate and 5-fluorouracil on the reproductive organs.
5390

Histo-morphology of the ovariole in Pherosophus hilaris, Fabr. (Chrabidae: Coleoptera).
5401

Male genitalia of the species of Depressaria Haworth s. l. (Lepidoptera, Oecophoridae) occurring in the Netherlands (Addenda).
5427

Experiments with an artificial spermatophore in cockchafer (Melolontha melolontha L.).
5431

Note on the ovary, rachis, and spermatheca of an insect parasitic nematode, Contortylenchus elongatus (Massey, 1960) Nickle, 1963.
5497

The development of male genital ducts and the associated structures in Callosobruchus maculatus (F.) (Bruchidae: Coleptera).
5511

Development course of northern cattle grub, Hypoderma bovis, male reproductive cells.
5666

Clinical and pathological studies of Border Leicester rams naturally infected with Actinobacillus seminis.
6487

A Brucella ovis antigen for the skin test of ovine genital brucellosis.
6515

The influence of streptococci on the genitals and fertility of thoroughbred mares.
6804

RESEARCH

The stimulation of 2,4-dinitrophenol-activated ATPASE by anions.
4976

X-ray analysis of hyphal and sclerotial walls of Sclerotium rolfsii Sacc.
5059

Proceedings of the Entomological Society of Ontario.
5158

The hemlock sawfly in southeast Alaska.
5353

Toxicological studies on cutworms. I. Laboratory studies on the toxicity of insecticides to the dark-sided cutworm.
5357

Karyological studies on the Indian spiders. VIII. Mitosis and meiosis in two species belonging to the family Gnaphosidae.
5478

Male genital disc defect in Drosophila melanogaster.
5683

Genetics of octanol dehydrogenase in Drosophila metzii.
5733

Regular segregation of seven asynaptic sex chromosomes in the male of Asphaera daniela Bechyne (Coleoptera, Alticidae).
5743

Comparative behavior of the oospores and oogonia of Phytophthora citricola during germination on an artificial medium.
5798

Virus enhancement with a growth product of Streptomyces scabies. I. Production and properties of scaben.
5810

Virus enhancement with a growth product of Streptomyces scabies. II. Increased release of coxsackievirus B5 from hEp-2 monolayers treated with scaben.
5811

Horticulture.
5825

Mycological investigations on field retting of fiber flax, species and distribution.
5932

Progress through research- blue mould of tobacco.
5960

Some experiments on the transmission of Cymbidium mosaic virus and Odontoglossum ringspot virus.
5970

Studies on host range of PVY - group viruses in leguminous plants in Japan, and the identification of them by the selected differential test plants.
5971

Research on sap infections.
6070

Investigations on certain virus diseases on pear tree in Bulgaria.
6112

Rhytidiella moriformis n. gen., sp. causing rough-bark of Populus balsamifera.
6140

Chemical control of codling moth with DDT and sevin, the resistance problem of codling moth to DDT and additional observations on the effect of fruit thinning of sevin.
6195

A contribution to the study of the zoocecidia of Snowdonia National Park and adjacent parts of North Wales.
6212

Host range studies of oat blue dwarf virus.
6274

Can we conquer the 'mighty' mites .
6293

Long distance dispersal of seeds by retention in digestive tract of birds.
6436

Animal science.
6442

Evolution of botulism. V. Evolution of pathogenic propertis of Cl. botulinum.
6505

More abstracts of papers presented at the 1967 Annual Wildlife Disease Conference Urbana, Illinois June 15-16, 1967.
6533

Contribution to the study of prophylaxis of bovine pneumonia in the Republic of Haute-Volta.
6551

Animal diseases and pests.
6818

A single-spore analysis of rust pustules produced by mixing isolates of two races of Puccinia coronata var. avenae.
7023

Influence of herbicides from s-triazine group on dynamics of some biochemical processes of oats in test experiments. Part II. Researches on action of propazine, prometrine, and prometone.
7248

Pesticide chemicals; a programmed text. TP248.P47C6.
7419

Fish and Wildlife Act of 1956 as amended; an excerpt from title 16 of the United States Code.
7420

RESERVOIRS
Conditions of formation of water reservoirs-Breeding places of blood-sucking mosquitoes (Culicidae).
5200

On ecology and phenology of Heptatoma pellucens F. (Tabanidae, Diptera).
5415

Degradation of gamma-BHC in simulated lake impoundments as affected by aeration.
7362

RESIDUES
Studies on control of house flies in Egypt by chemosterilants. I. Laboratory studies on Musca domestica vicina.
5346

Penicillin and other inhibitory substances in milk: The development and application of a routine test in New Zealand.
7061

Contribution to the study of antibiotic substances in meats.
7141

RESINS
Contribution to the arthropod fauna of the resins of large caves and the kyffhausers. III. Coleoptera.
5103

RESPIRATION
Growth and respiration of monolayer cell cultures of chick embryo heart and skeletal muscle: Action of malathion and malaoxon.
6871

RESPIRATORY DISEASES
Bordetella bronchiseptica and infections of the nasal cavity in swine.
6457

Isolation of equine rhinopneumonitis virus from acute respiratory disease in a horse in Queensland.
6480

Viral lung diseases of the cat.
6546

Fungal flora of the avian respiratory tract.
6591

Bovine respiratory disease, diagnosis and control.
6593

Schiff bases of 2-formylquinoxaline-1,4-dioxides as growth promoters and systemic and non-systemic infection control agents in animals. Patent 3,433,871.
6650

Special reference to viral and P. P. L. O. infections.
6741

Studies on Mycoplasma of rats. I. Observation of Mycoplasma in the respiratory system of rats.
6752

Occurrence of infectious bronchitis of poultry in India.
6853

Experimental transmission of sheep pulmonary adenomatosis (ijaagsiekte).
6861

Worm control in swine.
6942

RESPIRATORY SYSTEM
Outbreak of ornithosis in a flock of carrier pigeons in Copenhagen.
6584

Some characteristics of Staphylococcus aureus isolated from the skin and upper respiratory tract of domesticated and wild (Feral) birds.
6615

A record of the mite, Speleognathus australis, in bovines in South Africa.
6888

Respiratory mites of poultry in the territory of Papua New Guinea.
6909

RETICULUM
Magnetic probes in prophylaxis and therapy of traumatic reticuloperitonitis in cattle.
6514

RETINA
Pigment movement and the crystalline threads of the firefly eye.
5372

REVIEWS
A critical note on The structure and function of sternal spatula in gall midges by S. N. Prasad and P. Grover.
4989

The nematodes DD-136 (Neoaplectana sp.) and Neoaplectana carpocapsae Weiser, 1955 (Rhabditoidea) as insect parasites. A literature review.
5499

Soil science and agricultural chemistry.
5805

Horticulture.
5825

The present status of rice pest research and control. A literature review.
5827

Review of work on major insect pests of rice in Malaysia. Part I. Malayan region.
6281

Gnotobiotic culture and its significance to plant nematology.
6309

Veterinary science.
6438

Eperythrozoonosis in swine: A review.
6669

Marek's disease: A review.
6678

Termite workers.
7032

Agricultural engineering.
7392

Agricultural economics and rural sociology.
7412

RHABDOPHAGA
Morphology, anatomy and development of the gall of Rhabdophaga ramicola rubs. in Salix purpurea L.
5449

RHACOLETIS
Development of resistance to DDT by the apple maggot, Rhagoletis pomonella.
6214

RHADINAPHELENCHUS COCOPHILUS
Tropical nematology.
6305

RHAGOLETIS CERASI
Are sick plants dangerous.
5943

RHAGOLETIS POMONELLA
Essay on insecticidal treatments on the apple fruit fly, Rhagoletis pomonella (Walsh) in southwest Quebec.
6237

RHIZOCTONIA
Arsenal for disease control.
5864

Field and greenhouse studies on the effects of plant amendments on Rhizoctonia hypocotyl rot of snapbean.
6008

RHIZOCTONIA SOLANI
Hot-water treatment of seed as a method for decreasing the incidence of certain cotton and flax seedling diseases.
5857

Physiological studies on Phoma betae Frank and Rhizoctonia solani(Prill and Delacr.) Bourd and Galz which cause damping-off and root diseases of sugar beet in Egypt.
5867

Fungicides and turf disease control - 1964.
5883

The occurrence of some previously unreported diseases of potatoes in Mexico.
5910

Interactions of Oospora pustulans, Rhizoctonia solani and Heterodera rostochiensis on the potato.
5917

Effects of fungicide drenches on established poinsettia plants.
7267

RHIZOMES
The stripe smut problem in Merion Bluegrass.
5965

RHIZOPUS
Botran used as an orchard spray vs. Botran in the hydrocooler and control of post-harvest decay of peaches.
5904

RHIZOSPHERE
Competitive saprophytic ability and inoculum potential of cotton root-infecting fungi in five soils.
6062

Accustoming of fungi-antagonists to cotton rhizosphere and their effects on cotton productivity and disease with verticillium wilt.
7247

RHODNIUS PROLIXUS
Study of variations in neurosecretion at the level of the brain and the sub-esophageal ganglion in the female imagos of Rhodnius prolixus (Stal) Hemiptera.
5202

Histophysiological studies on neurosecretion in the ventral nervous system of Rhodnius prolixus Stal (Hemiptera) during the imago stage.
5213

Mechanical transmission of Trypanosoma lewisi (Kinetoplastida: Trypanosomidae) by Rhodnius prolixus (Hemiptera: Reduviidae).
5261

The fine structure of the ventral intersegmental abdominal muscles of the insect Rhodnius prolixus during the molting cycle. Ii Muscle structure at molting.
5648

The fine structure of the ventral intersegmental abdominal muscles of the insect Rhodnius prolixus during the molting cycle. II. Muscle changes in preparation for molting.
5649

Survival of western equine encephalitis virus in Triatominae.
5761

RHODUS ORIUNDUS
Cynipinae (Hymenoptera) occurring on Phlomis L.
5128

RHOPALOSIPHUM MAIDIS
A model of the plant-to-plant movement of aphids. II. Estimation of parameters and the application.
5602

RHYACIONIA BUOLIANA
European pine shoot moth.
5663

RHYTIDIELLA MORIFORMIS
Rhytidiella moriformis n. gen., sp. causing rough-bark of Populus balsamifera.
6140

RIBONUCLEIC ACID

Effects of temperature on Drosophila--V. Weight and water, protein and RNA content. 5247

D-Amino acids in animals. 5271

Cytodifferentiation during insect metamorphosis: The galea of silkmoths. 5399

Action of proteinic brain hormone to the prothoracic gland in an insect, Bombyx mori L. (Lepidoptera: Bombycidae). 5412

Inhibition of DNA-DEPENDENT RNA polymerase by the exotoxin of Bacillus thuringiensis var. gelechiae. 5597

Mutants at the bobbed locus in Drosophila melanogaster: Relation to ribosomal RNA synthesis. 5706

Unusual filamentous structures in the paragonia of male Drosophila. 5742

Purification of potato virus X and preparation of infectious ribonucleic acid by degradation with lithium chloride. 5930

Cell-free synthesis of tobacco mosaic virus coat protein and its combination with ribonucleic acid to yield tobacco mosaic virus. 6073

Assembly of protein and nucleoprotein particles from extracted tobacco rattle virus protein and RNA. 6074

Purification, bioassy, properties, and serology of rice viruses. 6102

Sequence of RNA synthesis in chick fibroblasts infected with Sendai virus. 6503

Characterization of a cytoplasmic fraction from Sindbis virus-infected cultures. 6553

Properties of the in vitro soluble RNA methylase activity of hamster tumors induced by adenovirus-12. 6713

Catabolite repression in Escherichia coli. A study of tow hypotheses. 6732

Effects of aflatoxin B1 on polysomal profiles and RNA synthesis in rat liver. 6793

Biochemical and biophysical characteristics of vesicular exanthema virus and the viral ribonucleic acid. 6864

Study of the transfer of amino acids from aminoacyl transfer ribonucleic acid into protein by ribosomes from uredospores of the bean rust fungus. 6879

Effect of DDT and dieldrin on RNA and protein synthesis in subcellular fractions of HeLa S cells. 7097

Enhancement by 2,4-dichlorophenoxyacetic acid of chromatin RNA polymerase in soybean hypocotyl tissue. 7278

RIBOSOMES

Mutants at the bobbed locus in Drosophila melanogaster: Relation to ribosomal RNA synthesis. 5706

Metabolic activity of pea root ribosomes under conditions of boron deficiency. 5877

Study of the transfer of amino acids from aminoacyl transfer ribonucleic acid into protein by ribosomes from uredospores of the bean rust fungus. 6879

RICE

Effect of natural parasitization on the population of paddy gallfly, Pachydiplosis oryzae Mani. 5546

The present status of rice pest research and control. A literature review. 5827

The present status of virus diseases of rice in Ceylon. 5858

Hoja blanca disease of rice. 5938

Identification of races of Piricularia oryzae in Colombia. 5939

Transmission of hoja blanca virus of rice. 5940

Dwarf, yellow dwarf, stripe, and black-streaked dwarf diseases of rice. 5968

The virus diseases of the rice plant. Proceedings of a symposium at the International Rice Research Institute, April, 1967. 5973

Tropical crop losses with special reference to rice. 5978

Varietal resistance to hoja blanca. 5990

Rice stripe disease in Korea. 5992

Testing rice varieties for resistance to tungro disease. 5997

Transmission of rice viruses in Southeast Asia. 5998

Khaira disease of rice and its control. 6028

Report of the Committee on Nomeclature of Rice Virus Diseases. 6031

Virus diseases of rice in Southeast Asia. 6032

Relationship of iron, manganese, and bicarbonate to chlorosis of rice grown in calcareous soil. 6039

Virus disease that resembles Tungro. 6048

Varietal resistance to stripe, dwarf, yellow dwarf, and black-streaked dwarf. 6064

Electron microscopic studies of rice viruses. 6077

Penyakit merah disease, a virus infection of rice in Malaysia. 6085

Screening rice varieties for resistance to bacterial blight. 6093

Transitory yellowing of rice in Taiwan. 6097

Pyricularia oryzae. 6098

Purification, bioassy, properties, and serology of rice viruses. 6102

Some rice diseases suspected to be of virus origin in South Viet Nam. 6110

Genetics of and breeding for resistance to rice virus diseases. 6111

Concluding remarks on the virus diseases of the rice plant. 6122

Virus diseases of rice in Thailand. 6125

Effect of virus on the rice plant. 6137

The water weevil problem. 6146

Leafhopper transmission of transitory yellowing of rice. 6167

Studies on a biological and a chemical method of controlling the dark rice field mosquito in Louisiana. (abstracts). 6168

Bloodworms- pests of rice. 6200

Ecology of insect vectors, forecasting, and chemical control. 6205

Effect of rice-pathogenic viruses on their insect vectors. 6216

Vectors of rice viruses in Asia. 6228

The problem of leaf hoppers on paddy. 6252

Review of work on major insect pests of rice in Malaysia. Part I. Malayan region. 6281

Tropical nematology. 6305

Properties and effects of WL-9385-D on rice and some weed species. 6332

Broadleaf weed control in rice. 6370

Alligatorweed found in Arkansas. 6384

Chemical weed control in high yielding rice varieties. 6393

Studies on the weed control in the paddy field. I. On the herbicidal weed control in wet and dry nurseries. II. On the herbicidal weed control at the early stage of rice plants in the paddy field. 6401

The biology and control of the rice field mole rat of Ceylon, Gonomys cracilis (Nehring). 6405

Studies on stored grain fungi. Part I.--Fungi from wheat and rice from Karachi. 7026

Fumigate stored rice to reduce loss to insects. 7030

Laboratory tests of five new insecticides as protectants for stored rough rice. (abstract). 7031

Saving stored rice from attacks of insect pests. 7037

Reduction in aflatoxin contamination of rice by milling procedures. 7200

The metabolism of 3,4-dichloropropionanilide in plants. Partial purification and properties of an aryl acylamidase from rice. 7246

Interaction of CCC and Coumarin or IAA on seedling growth of rice. 7274

RICKETTSIA

Ixodes ricinus borne parasites of cattle in the Netherlands. 6210

Adaptation,culturing of R. sibirica in rabbit lice and preparation of a combined antigen for diagnosis of infection. 6783

RICKETTSIA BURNETI

Infection of some species of Gamasidae with R. burneti in the natural Q-fever foci. 6910

RIFT VALLEY FEVER

The immunity induced in cattle and sheep by inoculation of neurotropic or pantropic Rift Valley fever viruses. 6523

Experimental infection of cattle with pantropic Rift Valley fever virus. 6524

RINDERPEST
Rinderpest protection in cattle by measles virus. Application in calves with passive immunity from maternal antibodies. 6779
Studies on the epizootiology of rinderpest in blue wildebeest and other game species of northern Tanzania and southern Kenya, 1965-7. 6840

RINDERPEST VIRUS
Susceptibility of European Zebu crossbred cattle to lapinsed rinderpest vaccine. 6484
Biological assay of virus contents of tissues of rabbits infected with lapinised rinderpest virus. 6485
Duration of rinderpest virus excretion in cattle immunized with an inactivated vaccine. 6496
Investigations on the incidence of rinderpest virus infection in game animals of n. Tanganyika and s. Kenya 1960/63. 6769

RING MOSAIC
Investigations on certain virus diseases on pear tree in Bulgaria. 6112

RING SPOT
Some experiments on the transmission of Cymbidium mosaic virus and Odontoglossum ringspot virus. 5970

RING TEST
Study on the immunogenicity of cocoa beans. 7024

RINGWORM
Ringworm due to Trichophyton mentagrophytes in a dog. 6529
Trichophytosis prophylaxis by feeding. 6770

RIODINIDAE
Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. LXXVIII. Lepidoptera: Nymphalidae, Danaidae and Riodinidae. 5034

RNA VIRUSES
Reaction of nitrosoguanidine (N-methyl-N'-nitro-N-nitrosoguanidine) with tobacco mosaic virus and its RNA. 6081

RODENT CONTROL
Public health pesticides. 5764
1969 fruit spraying calendar, for commercial fruit growers. 5804
Rodent pests and their control. 6402
Practical organization of field mice control. 6403
The muskrat in Loire-Atlantique. 6410
Anticoagulant resistance in Europe. 7040
Thieves in the poultry house. 7041

RODENTICIDES
Public health pesticides. 5764
Plant insect and disease control in Peru. 6061
Rodent pests and their control. 6402
Practical organization of field mice control. 6403
Anticoagulant resistance. (Part 2). 6640
Tolerance status of some rats to an anticoagulant rat poison. 7038
Anticoagulant resistance in Europe. 7040
Thieves in the poultry house. 7041
Control of rodents. 7043
Note on the evaluation of the efficacy of rodenticides. 7044
Aversion to strychnine sulfate by Norway rats, roof rats, and pocket gophers. (abstract). 7171
The effect of sex and age on the response to warfarin in a non-inbred strain of mice. 7198
Pest control's 1969 directory of pesticides. 7403

RODENTS
Certain host-parasite relationships between rodents (Muridae) and fleas (Aphaniptera). 5393
Unique problems in insect and pest control of NASA's Mississippi Test Facility. 5755
The present status of rice pest research and control. A literature review. 5827
Insect pests of palm trees. 6230
Rodent pests and their control. 6402
Practical organization of field mice control. 6403
The biology and control of the rice field mole rat of Ceylon, Gonomys cracilis (Nehring). 6405
Effect of range treatment with 2,4-D on rodent population. 6408
On the effect of Sevin on sexual functions of warm-blooded animals. 6439
Results of microbiological examination of reservoir animals in the west Slovakia region for tularemia. 6701
Thorny-headed worm infection in North American prehistoric man. 6974
Control of rodents. 7043
The murids in the vicinity of Lake Kivu and neighboring regions (Central Africa) and their ecology. 7045
Aversion to strychnine sulfate by Norway rats, roof rats, and pocket gophers. (abstract). 7171

RODOLIA FUMIDA
Bionomics of Drosicha mangiferae (Green) on citrus including new record of its three natural enemies. 6246

RONNEL
How to control bed bugs. 5185
Trolene toxicity for bed bugs. 7165

ROOT CROPS
Chemical weed control in tropical root crops. 6352

ROOT KNOT
Enzyme studies in nematode infected root-knots of the tomato plant. 7257

ROOT ROT
Influence of soil temperature on the development of pea root rot. 5872
Spread of Fomes annosus root rot in thinned shortleadf pine plantations. 5873
A study of factors influencing the genetics of reaction of barley to root rot caused by Helminthosporium sativum. 5896
Relationships of the clover root curculio, Fusarium wilt, and bacterial wilt in alfalfa. 5961
Fusariosis of the legume crops in Lithuania. 3. Main forms of lupine fusariosis and its distribution. 6065
Corn lodging. I. Relations between soluble solids, inorganic phosphates and basal stalk and root rots in mature plants. 6066
Retention and transformation of anhydrous ammonia in soil and effects on foot rot Fusaria. 6088
Some aspects of Fusarium infection of wheat seeds. 6107

ROOT-KNOT NEMATODE
Chemical soil treatment for nematode control in tobacco. 6307

ROOTS
A note on the anatomical derangement in the root tissue of root (wilt) diseased coconut palm. 5383
The clearing of underbrush and the destruction of undesirable vegetation in the forest. Inventory of materials and techniques. 5800
Changes in growth and metabolism of excised pea roots associated with iron deficiency. I. Changes in number of cells, nitrogenous constituents and respiration rate. 5856
Physiological studies on Phoma betae Frank and Rhizoctonia solani(Prill and Delacr.) Bourd and Galz which cause damping-off and root diseases of sugar beet in Egypt. 5867
Metabolic activity of pea root ribosomes under conditions of boron deficiency. 5877
Poor stands of corn and reduction of root growth caused by Fusarium moniliforme. 5937
Strains of the fungus Thielaviopsis basicola (Berk. et Br.) Ferr. isolated from the roots of blue lupin (Lupinus 5976
Preliminary studies on mycorrhiza in Adonis vernalis. 5991
Bloodworms- pests of rice. 6200
Effects of spittlebug injury on root production and sod reserves of Coastal bermudagrass. 6264
DDT-C14 translocation in alfalfa. 6270
Tobacco stalk and root destruction with herbicides and their effect on tobacco mosaic virus. 7249
Effects of fungicide drenches on established poinsettia plants. 7267
Formation of adventitious roots in tomato seedlings by CCC treatment. 7273
The influence of increasing doses of simazine upon the rate of root and green parts growth of winter wheat. 7306
The influence of increasing doses of simazine upon the rate of root and green parts growth of some weeds occuring in the winter wheat stand. 7307

ROSA
Nematodes and roses. 6297

ROT
Phoma destructiva, its variability, host range and varietal reaction of tomatoes. 5869

Botran used as an orchard spray vs. Botran in the hydrocooler and control of post-harvest decay of peaches. 5904

Potato early blight and storage rot. 5911

A note on Drechslera rot of tomato. 5981

Perennial canker and bull's eye rot of apples. 6007

Field and greenhouse studies on the effects of plant amendments on Rhizoctonia hypocotyl rot of snapbean. 6008

Sensitivity of stored melon fruit fungi to gamma irradiation. 7025

ROTENONE
Insects and related pests of house plants; how to control them. 5395

ROTYLENCHULUS
A nematode survey of tobacco soils in Rhodesia and Zambia, and the effects of grass-tobacco rotations on nematode populations. 6303

ROUGH BARK
Rhytidiella moriformis n. gen., sp. causing rough-bark of Populus balsamifera. 6140

ROUS SARCOMA VIRUS
Combined action of Rous sarcoma virus and chemical carcinogen in rats. 6456

Avian leukosis-sarcoma viruses and antibody in field flocks, and their relationship to leukosis mortality. 6784

RUBBERY WOOD
Rubbery wood disease becomes more extensive. 6121

RUBIACEAE
A new leaf spot disease of Mussaenda frondosa Linn.. 5989

RUBIDIUM
Interaction of rubidium and potassium in chick diets. 6797

RUBUS
Translocation and metabolism of C14-labeled tetramine by Douglas-fir, orchard grass, and blackberry. 7284

RUMEN
Metabolism of DDT by rumen microorganisms in vitro. (Abstract). 7345

RUMINANTS
Four cases of systemic mycosis in cervids. 6577

The treatment of coccidiosis in domestic ruminants with Amprolium . 6603

Regional research in nematode parasites of ruminants in the western United States, a 10-year summary, 1958-1968. 6949

RUST
A new species of Epuraea associated with eastern gall rust (Coleoptera: Nitioulidae). 5066

Snapdragon rust. 5882

Testing slash pine for rust resistance. 5975

Diseases of pulses pose a challenge to plant pathologists, breeders. 6047

Study of the transfer of amino acids from aminoacyl transfer ribonucleic acid into protein by ribosomes from uredospores of the bean rust fungus. 6879

A single-spore analysis of rust pustules produced by mixing isolates of two races of Puccinia coronata var. avenae. 7023

RUST (BEANS)
Mobilization factors in uredospores and bean leaves infected with bean rust fungus. 5908

RUST (WHEAT)
Wheat and stem rust - specialist advice. 5958

RUTABAGAS
Matricaria and lambsquarter control in Brassicas with analogs of propachlor. 6368

S-TRIAZINE
Influence of some herbicides on accumulation of 32P in above-ground organs of oats. 7223

Influence of herbicides from s-triazine group on dynamics of some biochemical processes of oats in test experiments. Part II. Researches on action of propazine, prometrine, and prometone. 7248

SACCHARIDES
Salmonellosis in sheep. I. Production of a complex antigen and some of its chemical and serological features. 6725

SACCHAROMYCES
Yeasts and yeast-like fungi in the genital organs of cows and heifers. V. Genital candidiasis and abortions caused by yeasts belonging to the genera Candida, Trichosporon and Saccharomyces. 6608

SAFETY EDUCATION
Combating poisoning due to insecticides. 7211

Commonsense precautions with agricultural chemicals. 7417

SAFFLOWER
Proclaimed noxious weeds. 6313

SALDIDAE
The relations between transpiration, humidity reaction, thirst and water content in the shorebug Saldula saltatoria L. (Heteroptera: Saldidae). 5443

SALICYLANILIDES
Salicylanilides: A new group of active uncouplers of oxidative phosphorylation. 5679

Bromination process. Patent 3,450,757. 7334

Bromination process of salicylanilide. Patent 3,450,756. 7355

SALIVARY GLANDS
Salivary gland chromosome variation in the Drosophila affinis subgroup. II. Comparison of C-chromosome patterns in D. athabasca and five related species. 5725

Mycoplasma-like bodies in the salivary glands of insect vectors carrying the aster yellows agent. 6191

SALIVARY GLANDS (INSECTS)
The localization of spermidine in salivary gland cells of Drosophila melanogaster and its effect on H-3-uridine incorporation. 5288

Ultrastructure of the secretory inclusions of the salivary gland cell in Drosophila. 5562

Collecting method and preliminary analysis of the soluble salivary secretions of the planthoppers. 5618

Salivary secretion in the cattle tick as a means of water elimination. 5641

Chromosomal rearrangements induced in Drosophila salivary gland chromosomes by an acridine half mustard. 5715

The salivary chromosomes of Anopheles stephensi stephensi. 5737

Isolation of the organism causing yeast-spot disease from the salivary system of the green stink bug. 6176

SALMON
DDT: Criticism, curbs are on the upswing. 7077

In vitro degradation of DDT by intestinal contents of Atlantic salmon (Salmo salar). 7096

Effects on wild young salmon of spraying DDT over New Brunswick forests. 7103

Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary. 7113

Toxicities of two insecticides to young coho salmon. 7210

SALMONELLA
Salmonella in the starling (Sturnus vulgaris). 6771

A study of the relationship between the serological Salmonella types isolated from humans and from foodstuffs. 6774

The in vitro sensitivity of avian salmonella strains to 6 drugs. I. Investigation on 1024 strains isolated 1945-1958. 6808

Evaluation of several methods of isolating salmonellae from poultry litter and animal feedstuffs. 6836

Interaction of salt, pH, and temperature on the growth and survival of Salmonellae in ground pork. 7047

Salmonella food poisoning associated with imported canned meat. 7050

Investigations into the source of bacterial contamination of pork. II. In steaming. 7054

Comparison of two procedures for detection of Salmonella in food, feed, and pharmaceutical products. 7056

Heat resistance of Salmonella in various egg products. 7057

The isolation of salmonellas from animal feedingstuffs. 7059

Salmonella in meat imported from South American countries. 7064

Dry milk equipment design and its relation to the salmonella problem. 7065

Accelerated procedure for Salmonella detection in dried foods and feeds involving only broth cultures and serological reactions. 7068

SALMONELLA BACTERINS
Further studies on the screening technique for determining Salmonella-negative samples of pasteurized dried egg. 7048

SALMONELLA CHOLERAESUIS
Immunoglobulin development in sera of pigs injected with killed suspensions of Salmonella choleraesuis. 6788

Experimental salmonellosis in swine and its clinical-hematological characteristics. 6825

SALMONELLA ENTERITIDIS
Cross-protection against Salmonella enteritidis infection in mice. 6528

SALMONELLA SENFTENBERG
Effects of Salmonella senftenberg injection on chicks hatched from eggs in treatment of testosterone propionate. 6736
Evaluation of several methods of isolating salmonellae from poultry litter and animal feedstuffs. 6836

SALMONELLA TYPHIMURIUM
Use of ampicillin instead of streptomycin in Salmonella-infected mouse peritoneal macrophage cultures. 6605
Early antibody response in mice to either infection or immunization with Salmonella typhimurium. 6665
Salmonella typhimurium infection in dairy cows. 6763
Colostral immunity against salmonella infection in calves. 6794
Salmonella penetration of the outer structures of white- and speckled-shell turkey eggs. 6868
Investigations concerning the microflora of isterband , a Swedish fermented type of sausage. 7062

SALMONELLOSIS
Sanitary legislation in France concerning animal salmonellosis. 6417
Studies on Salmonella infection among rabbits in the U. A. R. 6479
Immunogenic properties of polyvalent and associated emulsion vaccine against paratyphoid fever and brucellosis of sheep. 6637
Zoonoses in india. 6667
Salmonellosis in sheep. I. Production of a complex antigen and some of its chemical and serological features. 6725
Central African utilization of a polyvalent avarian vaccine. 6781
Dynamics of Salmonella infection in chicks reared on litter. 6823
Experimental salmonellosis in swine and its clinical-hematological characteristics. 6825
Salmonella control programs: Baking industry. 7049
Salmonella control program - Michigan. 7422

SALTS
Effects of freezing on African horse-sickness virus. 6754
Industrial fertilizers as herbicides seen in the light of new and old experiments. 7102

SAMBUCUS NIGRA
Preliminary note on a chemical attractant for the grass grub beetle (Costelytra zealandica (White)) from the flowers of elder (Sambucus nigra L.). 5508

SAMIA CYNTHIA
Artificial diet for cecropia and other saturniid silkworms. 5560

SAMPLING (STATISTICS)
A technique for sampling populations of the jack-pine budworm. 5033
The 24-inch branch as a sample unit for egg mass surveys of the western budworm. 5463

SANITATION
Control of household insects. 5593
On the permanent bedding of chicken. Some technical and hygienic-sanitary questions. 6414
Control of hydatid disease at abattoirs and country slaughterhouses. 6497
Experiences and ideas regarding cattle tuberculosis sanitation in a state practitioners area. 6834
The significance of deep litter for prophylaxis of chicken coccidiosis. 6842
Helminthological evaluation of deep litter in poultry houses. 6986

SANTALUM
A symptomless carrier of sandal spike disease. 6027

SAP
A widely distributed pine sap injurious, Acanthophila piceana n. sp. (Lep. Gelechiidae) in Latvia. 5150
Research on sap infections. 6070
Nitrogenous compounds in the xylem sap of American elms with Dutch elm disease. 6083
A rapid colorimetric method for the determination of tobacco mosaic virus concentration in plant saps. 6119
Increases in the levels of cytokinins in bleeding sap of Vitis vinifera L. after CCC treatment. 7295

SAPERDA CALCARATA
Maryland arborists discuss insect control. 6221

SAPRINUS
Saprinus cuspidatus Ihssen from Finland (Coleoptera, Histeridae). 5149

SAPROPHYTES
Saprophytic survival of Ophiobolus graminis on various hosts. 5889
Conversion of DDT to DDD by pathogenic and saprophytic bacteria associated with plants. 7254

SARCINA LUTEA
Contribution to the study of antibiotic substances in meats. 7141

SARCOMA
Duodenal leiomyosarcoma: A case report. 6491

SARCOPHAGA
Houseflies, blowflies and cluster flies. 6901

SARCOPTIFORMES
Malayoglyphus intermedius n. g., n. sp., a new mite from house dust in Singapore and Djakarta (Pyroglyphidae: sarcoptiformes). 5028

SARCOTROCHILA ALPINA
Sarcotrochila alpina and Lophodermium laricinum causing larch needle blight in North America. 6141

SATURNIIDAE
Contribution to the fauna of the Congo (Brazzaville). mission A. Villiers and A. Descarpentries. XLVI. Lepidoptera, Attacidae. 5138

SATYRIDAE
Genitalia of the types of Chilean Satyridae on deposit at the British Museum. 5061
An undescribed European butterfly:(Lep. Satyridae). 5064
A hermaphrodite Quilaphoetosus janirioides (Blanchard). (Lepidoptera, Satyridae). 5363

SAUSAGES
Investigations concerning the microflora of isterband , a Swedish fermented type of sausage. 7062

SCAB
A biochemical mechanism of natural resistance of apple to Venturia inaequalis. 5834
Apple scab, pecan scab, and the duration of leaf wetness. 5878
Effect of 6-azauracil against apple powdery mildew and apple scab. 5909
A systemic fungicide effective against sour orange scab disease. 5957
Lemon scab (Sphaceloma fawcettii scabiosa). 6029
Selection of parents and crosses suitable for use in breeding for resistance to scab. 6038

SCABIES
An improved portable sheep dipping vat. 7012

SCALD
Granny Smith versus Jonathan. 5840

SCALES (INSECTS)
Cryptic moths: effects on background selections of painting the cirumocular scales. 5584
Growing camellias. 5859

SCARABAEIDAE
The Pachydeminae (Coleoptera, Melolonthidae) collected by the Hungarian zoological expedition to the Brazzaville Congo. 5014
A new genera of Pachydeminae (Coleoptera, Melolonthidae) of Somalia. 5015
The genus Plectris (Philochlaenia) (ColeopteraMelolonthinae). 5035
New Melolonthids (Col.). 5036
Beetle finds in the South Ticino, July 1964. 5043
Catalogue of the Coleoptera Cetoniidae in the Leiden Museum. I. Goliathus Lamarck, sensu lato. 5168
Preliminary note on a chemical attractant for the grass grub beetle (Costelytra zealandica (White)) from the flowers of elder (Sambucus nigra L.). 5508
Diseases and pests of coconut in Kerala. 5814
Notes on pesticides and weedicides. 5823
Comparative efficacy and economics of various measures adopted for eradication of white grub beetle (Holotrichia serrata Fabricius) damaging sugarcane in Uttar Pradesh. 6204
Preliminary observations on Heteronychus robustus ArrowA beetle pest of sugarcane in Uttar Pradesh. 6250

SCARLET RUNNER BEANS

The pollination of runner beans (Phaseolus multiflorus) in a glasshouse.
5314

Chemosterilization of the two-spotted spider mite. III. Effect on host plant.
7252

SCELIONIDAE

Proteleas, a new genus of Scelionidae with three new species from the USSR.
5085

SCENT GLANDS

Odour similarities between the slave-keeping ants Formica sanguinea and Polyergus rufescens and their slaves Formica fusca and Formica rufibarbis.
4965

SCHISTOCERCA GREGARIA

The action of iontophoretically applied glutamate on insect muscle fibres.
5222

Insect hormones: Olive oil is not an inert vehicle for hormone injection into locusts.
5250

Bracken and locust ecdysones: Their effect on molting in the desert locust.
5251

The effects of implantations of corpora allata on reproduction of collected females of Schistocerca gregaria (Forsk.) and on the polymorphism of their progeny.
5255

Biological observations on the desert locust (Schistocerca migratoria migratorioides) in Chad.
5285

Central control of an insect segmental reflex. II. Analysis of the inhibitory input from the metathoracic ganglion.
5311

Airborne factor affecting the grouping behaviour of locusts.
5328

Medium and long-term changes in the behavior of visual neurones in the tritocerebrum of locusts.
5371

Meteorological aspects of insect migrations.
5379

The influence of site application on the toxicity of insecticides in red cotton bug, Dysdercus cingulatus, F.
5549

Dishabituation and arousal in the response of single nerve cells in an insect brain.
5568

Research on the disease due to Metarrhizium anisopliae, in the migratory locust.
5664

SCHISTOSOMA

Homocytotropic antibody response in mice infected with Schistosoma mansoni: Comparasion with the response following Trichinella spiralis infection.
6979

SCHIZAPHIS GRAMINUM

Alternate hosts of the greenbug.
6170

SCHIZOPINAE

Notes on Buprestidae and Schizopodidae.
5114

SCIRTOTHRIPS CITRI

Citrus pest control programs for California and Arizona desert areas.
6262

Systemic activity of UC-21149 against the citrus red mite, citrus thrips, California red scale, and spirea aphids on nonbearing orange trees.
6265

SCLEROSPORA SORGHI

Reaction of selected sorghum varieties and lines to downy mildew.
7270

SCLEROTINIA

Physiological changes in sunflowers infected by storage rot.
6041

SCLEROTINIA LAXA

Spraying trials against Sclerotinia diseases of plums on flowers and fruits.
6053

New disease in European plums.
6129

SCLEROTINIA SCLEROTIORUM

Biosynthesis of furanocoumarins in diseased celery.
5929

SCLEROTIUM BATATICOLA

Mechanisms of pathogenesis in Sclerotium bataticola on sunflowers. I. Production and translocation of a necrosisinducing toxin.
5890

SCLEROTIUM CEPIVORUM

Control of Armillaria mellea with systemic chemicals.
6018

SCLEROTIUM ROLFSII

X-ray analysis of hyphal and sclerotial walls of Sclerotium rolfsii Sacc.
5059

Influence of atrazine and varied carbon and nitrogen amendments on growth of Sclerotium rolfsii and Trichoderma viride in soil.
7236

SCOLIIDAE

Friedrich Klugs material of Scoliidae with especial reference to his type-specimens.
5239

SCOLYTIDAE

Description of Blastophagus khasianus, new species (Coleoptera: Scolytidae).
5110

On some Scolytidae and Platypodidae of economic importance from the territory of Papua and New Guinea. 250. Contribution to the morphology and taxonomy of the Scolytoidea).
5142

Key for the determination of species from U.S.S.R. belonging to the genus Scolytus Geoffroy (Scolytidae, Coleoptera).
5145

Analysis of bark beetle mortality in spruce forests in Poland.
5205

The Columbian timber beetle, Corthylus columbianus. VII. The effect of climatic integrants on historic density fluctuations.
5464

On the theoretical concept of self-extinction of bark beetles. (TT 68-50402)
5515

Seasonal development and habits of Pseudopityophthorus spp. (Coleoptera: Scolytidae) in southern Ohio.
5557

New records and species of neotropical bark beetles (Scolytidae: Coleoptera).
5682

Bark beetles.
6273

SCOPULARIOPSIS BREVICAULIS

Antifungal action of a phosphate ester pesticide, O-Mchlorophenyl O,O-dimethyl phosphorothioate, used in nutrient media for fungi. (abstract).
7175

SCORPIONIDA

Scorpions, whip scorpions and wind scorpions of Florida.
5108

Electroretinogram of the scorpion Androctonus australis in response to periodical illumination.
5252

Metabolism of the muscle of the scorpion.
5403

Perfusion fluid for the scorpion, Heterometrus fulvipes.
5510

Effect of starvation on the scorpion Palamnaeus bengalensis.
5612

Venom of the scorpion Vejovis spinigerus.
7199

SCOURS

Bovine respiratory disease, diagnosis and control.
6593

SCRAPIE

Susceptibility of scrapie agent to ionizing radiation.
6575

Distribution of experimentally induced scrapie lesions in the brain.
6580

Natural scrapie in a goat.
6630

SCRAPTER

The biology of Scrapter and its cuckoo bee, Pseudodichrda (Hymenoptera: Colletidae and Anthrophoridae).
5570

SCURF

Helminthosporium solani.
5855

SCUTELLONEMA

A nematode survey of tobacco soils in Rhodesia and Zambia, and the effects of grass-tobacco rotations on nematode populations.
6303

SEALS (ANIMALS)

Organochlorine pesticides in seals.
7109

SECRETION

Study of variations in neurosecretion at the level of the brain and the sub-esophageal ganglion in the female imagos of Rhodnius prolixus (Stal) Hemiptera.
5202

Histophysiological studies on neurosecretion in the ventral nervous system of Rhodnius prolixus Stal (Hemiptera) during the imago stage.
5213

Production of dauer pupae in Bombyx mori L.
5482

Cytochemical studies on the neurosecretory cells of the brain of Labidura riparia Pallas (Dermaptera).
5611

Salivary secretion in the cattle tick as a means of water elimination.
5641

Studies of physiologically active arthropod secretions. II. Some observations on the scent pencils of male Vitula edmandsae (Lepidoptera: Phycitidae).
5670

SECRETIONS

Ultrastructure of the secretory inclusions of the salivary gland cell in Drosophila.
5562

Occurrence of antimicrobial substance in the exudate of physogastric queen termite Termes repemanni Wasmann.
5582

Collecting method and preliminary analysis of the soluble salivary secretions of the planthoppers.
5618

SEDIMENTS

Histopathological examination of the kidneys of a ram who died of a urethral obstruction due to sedimentosis.
6646

Degradation of gamma-BHC in simulated lake impoundments as affected by aeration.
7362

SEED ANALYSIS

Nitrogen metabolism in developing seeds of Vicia faba.
7225

SEED COATS

Retardation of the elaboration of aflatoxin in cottonseed by impermeability of the seedcoats.
7268

SEED DISSEMINATION
Long distance dispersal of seeds by retention in digestive tract of birds. 6436

SEED GERMINATION
Comparative behavior of the oospores and oogonia of Phytophthora citricola during germination on an artificial medium. 5798
Effects of age, burial, and region on germination and viability of halogeton seed. 5836
Effect of the low temperature treatment of the wet culture Aspergillus oryzae 8F1 and germinated seed on the increase of the fermentation activity. 5848
The germination of conidia and the appressoriun formation of Alternaria porri on the surface of onion leaves. 5860
Bloodworms- pests of rice. 6200
All we know about pink bollworms. 6271
Progress in witchweed control seen as pest fails to spread. 6319
Weeds. 6344
Herbicidal N,N-dialkenyl-3-chlorobenzamides and method. Patent 3,436,208. 6356
Weed control in nursery sod. 6371
Growth characteristics and herbicide susceptibility of Texas Panicum. 7232
Arginine metabolism in germinating seeds of some members of the leguminosae. 7255
A note on cycocel (2-chloroethyl trimethyl ammonium chloride), a newly released plant growth regulant. 7263
The effect of microelements on the rate and percentage of germination with lucerne and soybean. 7279
Studies on the light sensitivity of Plantago major L. seeds. I. The effect of gibberellin, kinetin and potassium nitrate. 7285
Some factors affecting germination and seedling growth of scotch thistle (Onopordum acanthium L.). 7293
The mutagenic effect by the action of herbicides on barley. 7303

SEED PLANTING
Sorghum - specialist advice. 5793
Production of maize in tobacco areas. 5821
Soya beans - practical aspects. 5830
Weed control and the economics of direct reseeding. 6318
Changes in ration of sugars and amino acids in cotton-plant and maize upon gamma-irradiation of seeds prior to sowing. 7250

SEED TREATMENT
Soya beans - practical aspects. 5830
Hot-water treatment of seed as a method for decreasing the incidence of certain cotton and flax seedling diseases. 5857
Studies on the control of the anthracnose of Acacia dealbata caused by Glomerella cingulata Stonem. 5954
Controlling diseases of dwarf wheats. 5980
Results from a three-year test with the anaerobic method in barley seed disinfection from Ustilago nuda (Pers.) Kell. et sw. 6019
Transfer of Coriandrum sativum L. inflorescence blight through seeds and the influence of seed treatment upon this disease. 6116
Control peanut insects and diseases. 6266
Herbicidal N,N-dialkenyl-3-chlorobenzamides and method. Patent 3,436,208. 6356
Insecticide residues in spring wheat plants grown in the field from seed treated with aldrin or heptachlor. 7132
Growth characteristics and herbicide susceptibility of Texas Panicum. 7232

SEED-BORNE PLANT DISEASES
Helminthosporium solani. 5855
Progress through research- blue mould of tobacco. 5960
The stripe smut problem in Merion Bluegrass. 5965
Control of survival of Ophiobolus graminis between consecutive crops of winter wheat. 6072
Barley diseases in Western Australia. 6078

SEEDBEDS
Herbicide versus cultivation for corn with two methods of seedbed preparation. 6343

SEEDLINGS
Transmission and translocation of red clover vein mosaic virus in clover. 5921
Poor stands of corn and reduction of root growth caused by Fusarium moniliforme. 5937
Crown gall: Effect of temperature on tumorigenesis in pea seedlings. 5988
A microbiological control of Melampsora medusae. 6011
Selecting and breeding coconut palms (Cocos nucifera L.) resistant to lethal yellowing disease. A review of recent work in Jamaica. 6130
Bloodworms- pests of rice. 6200
DDT-C14 translocation in alfalfa. 6270
Progress in witchweed control seen as pest fails to spread. 6319
The effect of three fumigants on natural weed infestation in a tobacco seed bed. 6337
Preplanting applications of prometryne in cotton. 6340
Precision placement of herbicides for weed control in seedling alfalfa. 6359
Studies on the weed control in the paddy field. I. On the herbicidal weed control in wet and dry nurseries. II. On the herbicidal weed control at the early stage of rice plants in the paddy field. 6401
Formation of adventitious roots in tomato seedlings by CCC treatment. 7273
Effects of herbicides on respiration of red pine seedlings. II. Monuron, diuron, DCPA, dalapon, CDEC, CDAA, EPTC, and NPA. 7290

SEEDS
The identity of Naphius seed bug pests in Africa (Hemiptera: Lygaeidae). 5143
Interaction of soil reaction and method of seed inoculation on alfalfa. 5781
Preliminary investigations on the phenomenon of photoluminescense of seeds of soybean. 5816
Diseases of the seed potato; how to recognize them before planting. 5905
The possibility of estimating loose smut in a seed lot of barley with regard to the increase from one generation to the next. 5934
A note on the non-transmission of Centrosema mosaic virus through seed. 6076
Some aspects of Fusarium infection of wheat seeds. 6107
Transfer of Coriandrum sativum L. inflorescence blight through seeds and the influence of seed treatment upon this disease. 6116
Pests of legume seed crops in north Queensland. 6245
Do small mammals and birds affect reproduction of spruce and fir. 6406
Radiobiological damage: A new class identified in barley seeds stored after irradiation. 7022
Effects of organic arsenical herbicides on cotton response and chemical residues. 7222
Effect of the moisture content and post-irradiation temperature on the radiosensitivity of wheat and barley seeds. 7239
Gibberellin and growth in stone fruits: Induction of parthenocarpy in plum. 7251
The preparation of L- and D-alpha-amino-beta-methylaminopropionic acids and the identification of the compound isolated from Cycas circinalis as the L-isomer. 7311

SELENIUM
Dietary hepatic necrosis associated with selenium-vitamin E deficiency in swine. 6723
Effect of paddock size, stocking rate, anthelmintics, and trace elements on the weight gain of young cattle. 6828
Influence of sulfur on incidence of white muscle disease in lambs. 6865

SEMEN
Seminal loss in repeatedly mated female Aedes aegypti. 5621

SENSE ORGANS
The physiology of mosquitoes. 5266
Mechanism of the insect ear. 5373
A tactile seta of the Two-spotted Spider Mite, Tetranychus urticae K. (Acarina: Tetranychidae). 5460

SEPTORIA
Results from the International Septoria assortment in 1966. 5876
Collected papers on cereal diseases. (Septoria, Fusarium, yellow rust). 5881
Breeding for Septoria and Fusarium resistance in wheat. 5925

Septoria spot on grapefruit in Southern California. 6101

The influence of CCC on disease contraction of grain. 7322

SEPTORIA NODORUM

Results of tests of wheat varieties as to their resistance against grain diseases, carried out in the reclaimed land of the North East between 1961 and 1964. 5875

Some aspects of Fusarium infection of wheat seeds. 6107

SERINE

D-Amino acids in animals. 5271

SERODIAGNOSIS

Recent techniques for serodiagnosis of human and animal hydatidosis. IV. Test with sensitized particals of Latex. 6513

Hemagglutinin of rabies and some other bullet-shaped viruses. 6611

SEROLOGICAL TESTS

Serological identification. 5280

The classification of strains of Bacillus thuringiensis on the basis of the antigenic patterns of the toxic protein inclusions. 5521

Five new cases of Chagas' disease in Zacatecas and Jalisco in the Republic of Mexico. 5760

Serological differentiation of Pythium aphanidermatum from Phytophthora parasitica var. nicotianae and Ph. parasitica. 6021

Purification, bioassy, properties, and serology of rice viruses. 6102

Immuno-fluorescent study of antibody formation in immunization of guinea pigs with a live brucella culture. 6478

Isolation of equine rhinopneumonitis virus from acute respiratory disease in a horse in Queensland. 6480

Role of complement in immune inactivation of Mycoplasma gallisepticum. 6486

Canine leptospirosis in Argentina. 6507

Leptospirosis icterohaemorrhagiae in dogs in Tasmania. 6531

Equine influenza in Mexico. Isolation and study of the strain E/Equi 2/ Mexico/1/66. 6538

Outbreak of ornithosis in a flock of carrier pigeons in Copenhagen. 6584

Characterization of Mycoplasma suipneumonuaii A mycoplasma causing enzootic pneumonia of pigs. 6597

Suspected primary hyperparathyroidism in the dog. 6601

Antigens of Brucella abortus. I. Chemical and immundelectrophoretic characterization. 6628

Serological examination for evidence of brucellosis and leptospirosis in beef herds in New South Wales. 6633

Brucella ovis infection 1.An evaluation of microbiological, seriological and clinical methods of diagnosis in the ram. 6634

Cultural characters and serological relationships of some mycoplasmas isolated from bovine sources. 6641

Attempts to induce recombinant somatic cells in chicken erythrocyte chimaeras by repeated injection of western equine encephalomyelitis virus. 6660

Early antibody response in mice to either infection or immunization with Salmonella typhimurium. 6665

Experimental infection of the bat Myotis myotis Borkhausen with the Tahyna virus. 6674

Ovine anti-brucellosis serology. Vaccine and infectious antibodies. Serums negative to the seroagglutination of Wright and positive to complement deviation. 6689

Electron microscopy study of the localization of antigens in a virulent and an avirulent strain of Franciscella tularensis, using mercury-labelled antibodies. 6719

The isolation of Leptospira sejroe from the kidneys of aborting cattle. 6724

Salmonellosis in sheep. I. Production of a complex antigen and some of its chemical and serological features. 6725

Antibody response in animals immunized with different types of anthrax vaccine. 6755

Beware of brucellosis. 6761

Investigations on the incidence of rinderpest virus infection in game animals of n. Tanganyika and s. Kenya 1960/63. 6769

A study of the relationship between the serological Salmonella types isolated from humans and from foodstuffs. 6774

Studies on infectious laryngotracheitis (ILT) virus of poultry. I. Isolation and identification of the virus. 6775

Studies on infectious laryngotracheitis (ILT) virus of poultry. II. Survey of the infection by immuno-diffusion test. 6776

A hemagglutination-inhibition test for Mycoplasma meleagridis antibodies. 6787

Dynamics of Salmonella infection in chicks reared on litter. 6823

The evaluation of the metabolic-inhibition technique for the study of Mycoplasma gallisepticum. 6839

A preliminary report on the incidence of infectious laryngotracheitis (ILT) of poultry by gel-diffusion test. 6852

Investigations of antiviral substances present in normal horse and calf sera. 6883

Homocytotropic antibody response in mice infected with Schistosoma mansoni: Comparasion with the response following Trichinella spiralis infection. 6979

Comparison of two procedures for detection of Salmonella in food, feed, and pharmaceutical products. 7056

Accelerated procedure for Salmonella detection in dried foods and feeds involving only broth cultures and serological reactions. 7068

Purification and properties of in vitro--produced anthrax toxin components. 7162

Antigenic relationships of the venom of Atractaspis microlepidota to that of other snakes. 7186

SEROTONIN

Relationship between serotonin and the circadian rhthym in some nocturnal moths. 5364

SERRATIA MARCESCENS

Cross-protection against Salmonella enteritidis infection in mice. 6528

SERUM

Maintaining high-quality veterinary biologics. 6429

Behavior of equine infectious anemia virus in cell culture and development of a diagnostic test for the disease. 6562

Arbovirus-erythrocyte interaction. Adsorption, elution and neutralization of virus. 6589

Outbreak of influenza A/equi 2 in Italy. 6756

Experimental studies on bovine tick-borne fever. 1. Clinical and haematological data, some properties of the causative agent, and homologous immunity. 6844

Neuraminidase activity of the Newcastle disease virus. I. A study of the enzyme activity in differently cultivated strains. 6847

Investigations of antiviral substances present in normal horse and calf sera. 6883

SERUM AGGLUTINATION

Ovine anti-brucellosis serology. Vaccine and infectious antibodies. Serums negative to the seroagglutination of Wright and positive to complement deviation. 6689

SERUM NEUTRALIZATION TEST

Experimental infection of cattle with pantropic Rift Valley fever virus. 6524

Vaccination of the horse for equine influenza with an uncomplemented polyvalent vaccine. 6534

Avian reoviruses. IV. Relationship to human reoviruses. 6548

Newcastle disease in Francolinus francolinus, Francolinus pondicerianus and in Bambusciola thoracica. 6588

Observations of infectious diarrhea as part of the shipping fever syndrome in feedlot cattle. 6631

Studies on the fluorescent and neutralizing antibodies to bluetongue virus in sheep. 6766

Studies on goat-pox virus. II. Serological reactions. 6806

Occurrence of infectious bronchitis of poultry in India. 6853

SESAME

Effect of a soluble fraction of oil seed meals on uptake of 65Zn from ca.mg.65Zn.phytate complexes by the chick'. 6690

SESAMIA INFERENS

Record of a Tachinid parasite, Alsomyia anomala Villen, Sesamia inferens Wlk.. 5400

SETARIA VIRIDIS

Observations on the causes of chronic bloating in young cattle. 6537

SEX

Observation on the sex ratio in Pieris brassicae (L.) (LepidopteraPieridae).
5233

Studies on the sex ratio of the gypsy moth.
5248

The breeding of Lytta vesicatoria in the laboratory and demonstration of cantharidin synthesis in larvae.
5468

Karyological studies on the Indian spiders. VIII. Mitosis and meiosis in two species belonging to the family Gnaphosidae.
5478

Lipids in the melanic mutant of the large milkweed bug, Oncopeltus fasciatus.
5689

Environmental and genetic variations of wing size, cell size and cell division rate, in Drosophila melanogaster.
5700

Linkage of gold, its recessive lethality and sex-related variation in crossing-over in Culex pipiens (Diptera: Culicidae).
5722

Toxicity of pesticides to man: Risks from present levels.
7107

The effect of sex and age on the response to warfarin in a non-inbred strain of mice.
7198

SEX ATTRACTANTS

A synthetic attractant for the male spruce budworm moth Choristoneura fumiferana (Clem.).
5305

Field studies of an attractant in the male boll weevil.
5338

Sex attractant identified in click beetles of the sugar-beet wireworm.
5442

Studies of physiologically active arthropod secretions. II. Some observations on the scent pencils of male Vitula edmandsae (Lepidoptera: Phycitidae).
5670

SEX BEHAVIOR

The wing mechanism involved in the courtship of Drosophila.
5219

Phoretic copulation in Hymenoptera.
5298

The influence of the duration of copulation on the fertility of the females of Acanthoscelides obtectus Say (Insecta Coleoptera).
5376

Sex pheromones of noctuid moths. XIII. Changes in pheromone quantity, as related to reproductive age and mating history, in females of seven species of Noctuidae (Lepidoptera).
5603

SEX DETERMINATION

The sexual difference in the silk worm cocoons relative to the optical properties. 2. Fluorescent spectro-characteristics of cocoons.
4973

Is one able to diagnose the sex of the moth, Celerio euphorbiae (Lep., Sphingidae) in the caterpillar stage .
5070

Sex-Determination.
5273

The chromosomes of the caddis-fly, Glyphotaelius pellucidus (Retzius, 1783) (Trichoptera: Limnephilidae, Limnephilinae).
5714

On the multiple sex-chromosome mechanism in Trapezonotus arenarius L. (Heteroptera, Lygaeidae).
5724

SEX HORMONES

Growth, feed efficiency and gross chemical composition in market-weight pigs as influenced by a combination of synthetic sex hormones and tylosin.
6420

SEX RATIOS

The murids in the vicinity of Lake Kivu and neighboring regions (Central Africa) and their ecology.
7045

SHEEP

Shell products for animal health.
6423

Veterinary treatment of farm animals in the case of external radioactive contamination. First communication. Veterinary treatment of sheep and pigs externally contaminated with phosphorus32 and strontium89.
6428

Animal science.
6442

Excretion of radioactive mestranol in the milk of animals.
6444

Victoria's footrot control area.
6470

Some observations on the incidence of Brucellosis in animals in West Pakistan.
6471

A Brucella ovis antigen for the skin test of ovine genital brucellosis.
6515

The immunity induced in cattle and sheep by inoculation of neurotropic or pantropic Rift Valley fever viruses.
6523

Strain variation in the response of Haemonchus contortus in sheep and goats given phenothiazine: Efficacy of N. F. and purified products on pure parasitic infections.
6527

Listeriosis in sheep - observations on an outbreak in Romagna.
6532

Polioencephalomalacia: Response to thiamine treatment in sheep and a cow.
6539

Parenteral chemotherapy of ovine foot-rot.
6561

Induction of lung adenomatosis (jaagziekte) in sheep. II.
6564

Susceptibility of scrapie agent to ionizing radiation.
6575

Field observations on parenteral antibiotic treatment of ovine foot-rot.
6613

Brucella ovis infection 1.An evaluation of microbiological, seriological and clinical methods of diagnosis in the ram.
6634

Immunogenic properties of polyvalent and associated emulsion vaccine against paratyphoid fever and brucellosis of sheep.
6637

Experimental paratuberculosis in sheep after oral, intratracheal, or intravenous inoculation: Lesions and demonstration of etiologic agent.
6672

Gangrenous mastitis in ewes. II. Characteristics of the staphylococci, isolated from healthy ewes and from ewes affected with gangrenous mastitis.
6675

On pyroplasmodias in sheep and goats. II. Research into anaplasmosis.
6686

Statistical analysis of blood serum composition, urine excretion levels and the occurrence of urolithiasis in sheep.
6687

Ovine anti-brucellosis serology. Vaccine and infectious antibodies. Serums negative to the sero-agglutination of Wright and positive to complement deviation.
6689

Abortion in sheep and cattle associated with Bacillus spp.
6708

A mycoplasma associated with ovine orchitis.
6714

Salmonellosis in sheep. I. Production of a complex antigen and some of its chemical and serological features.
6725

Variation in concentration and composition of toxic alkaloids among strains of Phalaris tyberisa L.
6750

Serological investigations into Q-fever in sheep.
6760

Studies on the fluorescent and neutralizing antibodies to bluetongue virus in sheep.
6766

Effect of thiabendazole on ovine posthitis.
6827

The control and treatment of posthitis.
6829

Experimental studies on bovine tick-borne fever. 1. Clinical and haematological data, some properties of the causative agent, and homologous immunity.
6844

An autoradiographic and immunofluorescent study of the infectious cycle of sheeppox virus in cell cultures exposed to 5-fluorodeoxyuridine.
6855

Experimental transmission of sheep pulmonary adenomatosis (ijaagsiekte).
6861

Polioencephalomalacia: Response to thiamine treatment in sheep and a cow.
6867

Evaluation of acaricidal dips for control of Psoroptes ovis on sheep.
6900

1969, controlling insects on sheep and goats.
6905

Mortality in sheep due to Ixodes species.
6907

Basic,facts on the parasitic nematodes of the sheep (Ovis aries) in tunisia.
6915

Studies on the pathogenesis of trichocephaliasis in sheep.
6920

A new compound effective against acute fascioliasis in sheep.
6921

Investigation of the effect of preparation Bayer 9015-12.50W.G. on adult Fasciola hepatica in sheep.
6922

Epizootiologic factors of infestation by Trichostrongylidae in ovines in Leon.
6937

The epizootiology of ovine verminous bronchopneumonias in Leon.
6943

Critical and controlled laboratory trials in sheep with tetramisole.
6950

Ridding sheep breeding farms of helminthoses.
6956

The epizootiology of dicroceliosis in the province of Leon.
6967

Sheep coenurosis control in Uzbekistan.
6970

Some factors of ovine infestation with Protostrongylidae.
6975

The guilty fox.
6977

Home produced cyazid is a highly effective anthelminthic against sheep dictyocaulosis.
6985

Complex investigation of the functional state of the liver in the course of experimental flukeworm disease in sheep.
6989

A comparative study of the activities of 2,6-diiodopara-nitrophenol (Disophenol) and 2-para-thiazolylbenzimidazole (Thiabendazole) as anthelmenthic for sheep.
6999

An approach to the treatment of outbreaks of Fascioliasis in sheep.
7001

The efficiency of copper sulphate, phenothiazine and sodium chloride mixture against sheep helminthoses.
7005

An improved portable sheep dipping vat.
7012

The fine structure of the spermatozoon of sheep tapeworm, Moniezia expansa (Rud., 1810)(Cyclophyllidea, Anoplocephalidae).
7013

Distribution of Strontium 90 and Cesium 137 in dairy products in the processing of ewe's milk. 2. In white brined cheese.
7140

Tolerance of sheep with regard to a new phosphoric ester: Chlorfenvinphos.
7167

Tolerance of sheep to parenterally administered iqdo-3 hydroxy nitbo-5 benzonitril.
7168

Fluorosis in cattle and sheep, observed around industrial plants in Bulgaria.
7205

SHEEP BREEDS
Investigation of sheep dips. 3. The influence of breed on stripping and deposition in the fleece of diazinon.
7124

SHEEP-DIP
Tolerance of sheep with regard to a new phosphoric ester: Chlorfenvinphos.
7167

SHEEPPOX VIRUS
An autoradiographic and immunofluorescent study of the infectious cycle of sheeppox virus in cell cultures exposed to 5-fluorodeoxyuridine.
6855

SHIPPING FEVER
Bovine respiratory disease, diagnosis and control.
6593

Observations of infectious diarrhea as part of the shipping fever syndrome in feedlot cattle.
6631

SHIPS
Fish and Wildlife Act of 1956 as amended; an excerpt from title 16 of the United States Code.
7420

SHOCK
Modification of gamma ray mutagenic action by temperature shock.
5790

Promazine hydrochloride in endotoxin shock in a horse (a case report).
6525

SHRUBS
Two methods of operating a vacuum sampler to sample populations of the cotton fleahopper on wild hosts.
5559

Bagworm.
5662

Influence of retardants on the growth and flowering of plants.
7231

SILICA GELS
Photodecomposition of the acaricide N'-(4-chloro-o-tolyl)-N,N-dimethylformamidine.
7354

SILVER LEAF
Preliminary considerations on the study of resistance of fruit trees to silver-leaf disease.
5950

Watch for silver leaf.
6014

SILVER NITRATE
Biological investigations of an infiltration area and experiments with some algicides.
7076

SILVEX
Morphology, anatomy and development of the gall of Rhabdophaga ramicola rubs. in Salix purpurea L.
5449

Control of the guanxumas roxa e branca in pasture with hormone-like herbicides.
6335

Broadleaf weed control in rice.
6370

Alligatorweed found in Arkansas.
6384

Controlling weeds in turf.
6387

Herbicidal treatment effect on carbohydrate levels of alligatorweed.
6397

SILVICULTURE
Report on forest research for the year ended March 1968.
5845

SIMAZINE
Crop protection; computers, simazine, corn seed beetle.
5780

Herbicide action on Fusarium graminearum Schw.
5831

Results from experiments with herbicides for weed control in pea grain crops grown in Dobroudja.
6336

Application of herbicides in pulse crops.
6339

Gesatop - its uses in horticultural crops.
6347

Recent advances in perennial grass control in avocado orchards.
6350

Selective control of hoary alyssum in alfalfa.
6355

Weed control in California vineyards.
6358

Precision placement of herbicides for weed control in seedling alfalfa.
6359

Pre-emergence weed control in the nursery.
6383

The influence of some electrolytes on the adsorption and release of symmetrical triazines on some organic colloids.
7104

Tolerance and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Simazine.
7115

The effect of herbicide residue in the soil on the yield of winter wheat.
7123

Influence of some herbicides on accumulation of 32P in above-ground organs of oats.
7223

The effect of some herbicides on weediness and yield of potatoes on alluvium soil.
7227

Effect of the triazine herbicides simazine and atrazine upon young plum trees.
7260

The effect of herbicides and cultivation measures on the yield of corn.
7271

The effect of the application of herbicides in the control of weeds in corn fields.
7272

Influence of simazine on chloroplast metabolism.
7294

Cytogenic activity of the herbicides-simazine and maleic acid hydrazide.
7302

Influence of simazine on apparent photosynthesis of aquatic plants and herbicide residue removal from water.
7305

The influence of increasing doses of simazine upon the rate of root and green parts growth of winter wheat.
7306

The influence of increasing doses of simazine upon the rate of root and green parts growth of some weeds occuring in the winter wheat stand.
7307

SIMULIIDAE
The capture of Diptera Simuliidae by night in a dry grassland zone.
5086

The infection of immature aquatic insects by larval Paragordius (Nematomorpha).
5167

A review of Simulium (Pternaspatha) Enderlein (Simuliidae, Diptera).
5173

An instrument to hold rabbits for blood sucking Simuliid experiments.
5574

Life cycles of benthic insects in Lapland streams (Ephemeroptera, Plecoptera, Trichoptera, Diptera Simuliidae).
5653

Cattle fatality caused by bites of Odagmia ornata (Diptera, Simuliidae).
6895

SIMULIUM DAMNOSUM
On the biology of Simulium damnosum Theobald, 1903, the main vector of onchocerciasis in the Mahenge Mountains, Ulanga, Tanzania.
5360

SIMULIUM ORNATUM
Cattle fatality caused by bites of Odagmia ornata (Diptera, Simuliidae).
6895

SIMULIUM VENUSTUM
The black fly, Simulium venustum, attracted to the turtle, Chelydra serpentina.
5617

SINDBIS VIRUS
Characterization of a cytoplasmic fraction from Sindbis virus-infected cultures.
6553

Prevalence of Sindbis virus antibodies in an Egyptian rural community.
6710

Effect of cytostatics on the replication of vaccinia, pseudo-rabies and sindbis viruses and on the interferon production by tissue culture cells.
6791

SINUSITIS
Schiff bases of 2-formylquinoxaline-1,4-dioxides as growth promoters and systemic and non-systemic infection control agents in animals. Patent 3,433,871.
6650

SIPHONAPTERA
A carbon dioxide bait trap for collecting ticks and fleas from animal burrows.
4972

On the knowledge of German fleas. II. Fauna and Ecology of the fleas of birds (Insecta, Siphonaptera).
5121

Evansipsylla thysanota, a new genus, new species of flea from Nepal (Siphonaptera: Hystrichopsyllidae).
5156

Certain host-parasite relationships between rodents (Muridae) and fleas (Aphaniptera).
5393

Wild mammals and fleas of Red Bluff Ranch, New Mexico.
5767

Indications on plant care for olive crop cultivation. 6192

Feline infectious anemia (Haemobartenella felis) diagnosis and treatment. 6594

SITE INDEX
Influence of soil and site on red pine (Pinus resinosa Ait.) plantations in New York. II. Soil type and physical properties. 7240

SITONA HISPIDULA
Relationships of the clover root curculio, Fusarium wilt, and bacterial wilt in alfalfa. 5961

SITOPHILUS
Carbamate and phosphate resistance in adult granary weevils. 5716

SITOPHILUS GRANARIUS
Change in the photic reaction due to DDT in the grain weevil, Sitophilus granarius (L.)(Coleoptera: Curculionidae). 5209

Locomotory responses to temperature in the grain weevil, Sitophilus granarius (L.) (Coleoptera: Curculionidae). 5210

SITOPHILUS ORYZAE
Varietal resistance to hoja blanca. 5990

The importance of relative humidity in the storage of cereals. 7028

Stored grain insects as carrier of fungi. 7034

Saving stored rice from attacks of insect pests. 7037

SITOPHILUS ZEAMAIS
Observations in Kenya on the flight activity of stored products insects, particularly Sitophilus zeamais Motsch. 5327

SITOTROGA CEREALELLA
Mass appearance at Brussels of Sitotroga cerealella Ol. (Gelechiidae). 7036

SKIM MILK
Effect of DDT, dieldrin and heptachlor on the growth of selected bacteria. (Abstract). 7235

SKIN
Microscopic skin lesions in cattle with foot-and-mouth disease. 6587

Some characteristics of Staphylococcus aureus isolated from the skin and upper respiratory tract of domesticated and wild (Feral) birds. 6615

Fowl pox inclusion-body formation in skin epithelium of chicks. 6817

SKIN DISEASES
Some outbreaks of turkey erysipelas. 6510

Mastocytosis with gastrointestinal ulceration in a dog. 6511

SKIN TESTS
A Brucella ovis antigen for the skin test of ovine genital brucellosis. 6515

The value of some standardized Trichinella spiralis antigens, as estimated by intradermal tests. 6948

SLAUGHTERHOUSES
Control of hydatid disease at abattoirs and country slaughterhouses. 6497

SLUGS
Home garden insect control. 5472

A laboratory method for assessing the toxicity of stomach poisons to slugs. 6407

Snails and slugs in Central California. 6413

SMELL
Olfactory response of larvae of the onion maggot, thylemya antiqua Meigen (Diptera: Anthomyiidae) to organic sulfur compounds. 5458

The olfactory bulb lesion in the hibernating squirrel (Citellus lateralis) infected with coxsackievirus B-3. I. Virus assay, light microscopic and immunofluorescent study. 6604

The olfactory bulb lesion in the hibernating squirrel (Citellus lateralis) infected with coxsackievirus B-3. II. Immunological study. 6816

SMUT
Control of smut on sugarcane. Regulation of varieties of sugarcane which can be cultivated in the state of Sao Paulo. 5854

SMUTS
Experiments on the control of cereal smuts with a derivative of 1,4-oxathiin. 5987

SNAILS
The present status of rice pest research and control. A literature review. 5827

Snails and slugs in Central California. 6413

Some factors of ovine infestation with Protostrongylidae. 6975

SNAKE VENOM
Selected Crotalidae venom properties as a source of taxonomic criteria. 7172

Central neurotoxic effects of the venoms of Naja naja and Vipera palestinae. 7179

Antigenic relationships of the venom of Atractaspis microlepidota to that of other snakes. 7186

Effects of Echis carinatus venom on tissue and blood histamine and their relations to local tissue reactions and eosinophil changes. 7187

SOCIAL INSECTS
Ants in the home and garden; how to control them. 5184

Insect venoms, attractants, and repellents. XI. Massoilactone from two species of formicine ants, and some observations on constituents of the bark oil of Cryptocarya massoia. 5257

Trail laying in the subterranean ant, Acanthomyops interjectus. 5352

Contribution to the physiology of the guest-host-relations (myrmecophily) in ants. I. The relation between the myrmecophilic Atemeles- and Lomechusa-larvae and Formica. 5369

Note on the deportment particularly towards the dead in Coptotermes intermedius Silvestri (Isoptere Rhinotermitidae). 5569

Homing in the ant Cataglyphis bicolor. 5672

Termite workers. 7032

SODIUM
A sodium and potassium stimulated adenosine triphosphatase in the cockroach nerve cord. 5337

Intracellular concentration of electrolytes in the housefly. 5598

A relationship between ionic environment and hormonal activation of phosphorylase in an insect. 5629

Effects of organic arsenical herbicides on cotton response and chemical residues. 7222

SODIUM ACETATE
Synthesis of saturated long chain fatty acids from sodium acetate-1-C14 by Mycoplasma. 6772

SODIUM CHLORIDE
The efficiency of copper sulphate, phenothiazine and sodium chloride mixture against sheep helminthoses. 7005

Interaction of salt, pH, and temperature on the growth and survival of Salmonellae in ground pork. 7047

Low temperature growth of type E Clostridium botulinum spores. 1. Effects of sodium chloride, sodium nitrite and pH. 2. Effects of solutes and incubation temperature. 7055

SODIUM DIETHYLDITHIOCARBAMATE
Copper and manganese content in different varieties of spring and winter wheat. 5783

SODIUM HUMATE
Interaction of pesticides with natural organic material. 7081

SODIUM N-METHYLDITHIOCARBAMATE
Use of herbicides in coffee nurseries with full exposure to sun. 6324

SODIUM NITRATE
Influence of atrazine and varied carbon and nitrogen amendments on growth of Sclerotium rolfsii and Trichoderma viride in soil. 7236

SODIUM NITRITE
Low temperature growth of type E Clostridium botulinum spores. 1. Effects of sodium chloride, sodium nitrite and pH. 2. Effects of solutes and incubation temperature. 7055

SODIUM PENTACHLOROPHENATE
A laboratory method for assessing the toxicity of stomach poisons to slugs. 6407

Further studies on avian biliary cirrhosis with particular reference to aetiology. 6590

SODIUM TETRABORATE DECAHYDRATE
Borax and boric acid. Proposed establishment of pesticide tolerance. 7116

SOIL ALGAE
Effects of selected herbicides upon growth of soil algae. 7265

SOIL AMENDMENTS
Manures and fertilizers. 5853

SOIL ANALYSIS
Practical soil biology. 5786

Khaira disease of rice and its control. 6028

The conditions for occurrence of potato root eelworm (Heterodera rostochiensis Woll.) in Poland. 6302

Some observations on the effects of using organochlorine sprays in an orchard. 7098

Industrial fertilizers as herbicides seen in the light of new and old experiments. 7102

Effects of organic arsenical herbicides on cotton response and chemical residues. 7222

SOIL BACTERIA
Populations of dalapon-decomposing bacteria in soil as influenced by additions of dalapon or other carbon sources. 7093
Pesticide levels and fluctuation in soil bacteria in an irrigated field and a pond of southwest Texas. 7137
Effect of DDT, dieldrin, heptachlor on the growth of selected bacteria. 7234

SOIL BIOLOGY
Practical soil biology. 5786

SOIL CHEMISTRY
Interaction of pesticides with natural organic material. 7081
Industrial fertilizers as herbicides seen in the light of new and old experiments. 7102
The influence of some electrolytes on the adsorption and release of symmetrical triazines on some organic colloids. 7104
Some effects of diazinon on the microflora of submerged soils. 7133

SOIL COLLOIDS
The influence of some electrolytes on the adsorption and release of symmetrical triazines on some organic colloids. 7104

SOIL FAUNA
Synecological studies of soil macroentomofauna in two different agricultural biotopes. 5332

SOIL FERTILITY
Practical soil biology. 5786

SOIL FUMIGATION
1969 fruit spraying calendar, for commercial fruit growers. 5804
Experiments on the control of cereal smuts with a derivative of 1,4-oxathiin. 5987
Fusarium foot-and-stem disease of the carnation. 6127
The golden nematode of potatoes and tomatoes. 6283
Control of eelworm diseases of bananas in Western Australia. 6291
Chemical soil treatment for nematode control in tobacco. 6307
Pressurised soil fumigation equipment for control of eelworm. 7397

SOIL FUNGI
Third contribution to the knowledge of keratinolytic and keratinophilic soil fungi in the region of Szczecin. 5818
The induction of dodine tolerance in Fusarium oxysporum f. melonis: a technique applicable to the study of the bionomics of soil-borne fungal pathogens. 6001
Mycological techniques in plant pathology. 6044
Retention and transformation of anhydrous ammonia in soil and effects on foot rot Fusaria. 6088
Fluctuations in natural soil populations of Verticillium tricorpus. 6106

SOIL HYDROGEN-ION CONCENTRATION
Interaction of soil reaction and method of seed inoculation on alfalfa. 5781
Retention and transformation of anhydrous ammonia in soil and effects on foot rot Fusaria. 6088
Soil degradation of diazinon, a phosphorothioate insecticide. 7118
Manganese toxicity of legumes seeded in Kentucky strip-mine spoils. 7145

SOIL INSECTS
The insect world. Series: The universe of knowledge. 4967
Synecological studies of soil macroentomofauna in two different agricultural biotopes. 5332
Faunal and zoocenological analysis of the soil insect communities in the ecosystem of shelterbelt and field. 5333
Home garden insect control. 5472
Insecticide recommendtions for tobacco fields, 1969. 6203

SOIL MANAGEMENT
Tropical nematology. 6305

SOIL MICROORGANISMS
Practical soil biology. 5786
Conversion of DDT to DDD in soil and the effect of these compounds on soil microorganisms. 5809
Interactions of Oospora pustulans, Rhizoctonia solani and Heterodera rostochiensis on the potato. 5917
Survival of ascarid eggs in soil under conditions of Moscow region. 6295
Soil nematode fauna occuring in the Jadwisin fields near Warsaw and the effect of environmental conditions on them. 6296

SOIL MOISTURE
Competition between burrowced and annual and perennial grasses for soil moisture. 6328
Ten keys to herbicide effectiveness. 6342
Studies on the effectiveness of fox den fumigation for rabies control in the district of Wolgast. 6696

SOIL ORGANIC MATTER
Soil degradation of diazinon, a phosphorothioate insecticide. 7118

SOIL PERCOLATION
A modified soil percolator for zoospore production and infection in studies on zoosporic root pathogens. 5868

SOIL PROPERTIES
The influence of environmental factors. 5378
Phosphorus, potassium, calcium and magnesium requirements of Maryland tobacco grown on Monmouth soil. 5880
Relationship of iron, manganese, and bicarbonate to chlorosis of rice grown in calcareous soil. 6039
Results of tests of fall colza varieties 1963-1966. 6120
Properties and effects of WL-9385-D on rice and some weed species. 6332
Accumulation of DDT and dieldrin by microorganisms. 7095

SOIL SANITATION
Effects of methods of placement on performance of trifluralin, CDEC, and DCPA applied to soil. 6364
Herbicides in cotton and their compatibility with soil-applied insecticides. 6388
Reduction of residues of heptachlor and chlordane in carrots with soil applications of activated carbon. 7085

SOIL SCIENCE
Practical soil biology. 5786
Soil science and agricultural chemistry. 5805
Influence of soil and site on red pine (Pinus resinosa Ait.) plantations in New York. II. Soil type and physical properties. 7240

SOIL SERIES
Toxicological studies on cutworms. I. Laboratory studies on the toxicity of insecticides to the dark-sided cutworm. 5357
Ponderosa pine dwarf mistletoe in relation to topography and soils on the Manitou Experimental Forest, Colorado. 5955
Competitive saprophytic ability and inoculum potential of cotton root-infecting fungi in five soils. 6062
DDT-C14 translocation in alfalfa. 6270
The effect of some herbicides on the nitrification in soils. 6373

SOIL STERILIZATION
Weed control in California vineyards. 6358
Influence of atrazine and varied carbon and nitrogen amendments on growth of Sclerotium rolfsii and Trichoderma viride in soil. 7236

SOIL STRUCTURE
Practical soil biology. 5786
Soil science and agricultural chemistry. 5805
Problems of herbicide treatments in the potato crop. 6327

SOIL SURVEYS
Soil science and agricultural chemistry. 5805

SOIL TEMPERATURE
Influence of soil temperature on the development of pea root rot. 5872

SOIL TREATMENT
Diptera larvae in soil treated with organic and mineral fertilizers. (I). Family Asilidae-Diptera-Brachycera. 5541
Hylemyia cilicrura Rond. on the Dianthus cultures of Pescia and Versilia. 6174

SOIL-BORNE PLANT DISEASES
Arsenal for disease control. 5864
The behavior of potato mop-top virus in soil, and evidence for its transmission by Spongospora subterranea (Wallr.) Lagerh. 5979
Serological differentiation of Pythium aphanidermatum from Phytophthora parasitica var. nicotianae and Ph. parasitica. 6021
Sources of tolerance to soil-borne oat mosaic virus from the World Oat Collection. 6602

SOILS
A new race of Sphacelotheca reiliana in South Texas. 5933
Transmission of hoja blanca virus of rice. 5940

Suitability of several fungicides for treating soil infested with Phytophthora cactorum to prevent crown rot disease of apple trees. 6012

Transitory yellowing of rice in Taiwan. 6097

Studies on Botrytis cinerea in tomatoes. Effect of soil nitrogen level and of methods of deleafing upon the occurrence of B. cinerea under commercial conditions. 6118

Disulfoton as a systemic insecticide for control of adult white-fringed beetles on peanuts. 6153

Injury to Heterodera tabacum by high soil temperatures. 6299

Soil factors contributing to atrazine carryover. 7084

The effect of herbicide residue in the soil on the yield of winter wheat. 7123

Retention and vooatilization of lindane and DDT in presence of organic colloids isolated from soils and leonardite. 7129

Effects of fungicide drenches on established poinsettia plants. 7267

SOLAR RADIATION

Some regularities in the zonal distribution of oribatoid mites. 5421

SOLPUGIDA

Scorpions, whip scorpions and wind scorpions of Florida. 5108

SOLUTES

Low temperature growth of type E Clostridium botulinum spores. 1. Effects of sodium chloride, sodium nitrite and pH. 2. Effects of solutes and incubation temperature. 7055

SORBIC ACID

Sorbic acid as an inhibitor of the Fusarinm vasinfectum fungus, which induces wilt in the cotton plant. 6030

SORGHUM

Sorghum - specialist advice. 5793

A new race of Sphacelotheca reiliana in South Texas. 5933

Field studies on the chemical control of the stem borer Chilo partellus on hybrid sorghum in India. 6143

Alternate hosts of the greenbug. 6170

Old pests with new appetites. 6215

Reaction of selected sorghum varieties and lines to downy mildew. 7270

SORGHUM HALEPENSE

The relationship of Johnson grass and other perennial hosts of maize dwarf mosaic virus to disease spread and control. 6108

SOUND WAVES

A sound-activated method for recording insect activity. 4970

Unit-hair receptor activity from the telson of the scorpion, Heterometrus fulvipes. 5201

SOYBEAN MEAL

Effect of a soluble fraction of oil seed meals on uptake of 65Zn from ca.mg.65Zn.phytate complexes by the chick'. 6690

SOYBEANS

Common soybean insects. 5405

Soya beans - specialist advice. 5777

TIBA fractures the soybean yield barrier. 5787

Preliminary investigations on the phenomenon of photoluminescense of seeds of soybean. 5816

Soya beans - practical aspects. 5830

The occurrence of coupea mosaic virus in the state of Sao Paulo. 5885

Bibliography of soybean diseases. 5888

Identification of soybean mosaic virus in Venezuela. 5907

Alfalfa hopper damages small soybean plants. 6151

Isolation of the organism causing yeast-spot disease from the salivary system of the green stink bug. 6176

Postemergence weed control in soybeans. 6378

Soil factors contributing to atrazine carryover. 7084

Enhancement by 2,4-dichlorophenoxyacetic acid of chromatin RNA polymerase in soybean hypocotyl tissue. 7278

The effect of microelements on the rate and percentage of germination with lucerne and soybean. 7279

SPARROWS

New contributions to the subject 'birds and agriculture'. 6411

Control of sparrows on poultry farms. 6443

Transmission of classical Marek's disease by affected and carrier birds. 6666

SPASMS

A progressive spastic syndrome in cattle. 6481

SPECTROCHEMISTRY

(-)-pimaradiene: A new precursor of the gibberellins. 7337

Degradation of the insecticide GS 13005 in the rat. Elucidation of the structure of the most important metabolites. 7341

Photodecomposition of the acaricide N'-(4-chloro-o-tolyl)-N,N-dimethylformamidine. 7354

3-hydroxy-6,7-dimethoxydifuroxanthone - a new metabolite from Aspergillus flavus. 7383

SPECTROSCOPY

The sexual difference in the silk worm cocoons relative to the optical properties. 2. Fluorescent spectro-characteristics of cocoons. 4973

Lindane: Metabolism to a new isomer of pentachlorocyclohexene. (abstract). 5551

Pesticide residues; history, alternatives and analysis. 7138

The differential interaction of aflatoxins B1,G1 and G2 with deoxyribonucleic acids from different sources. 7291

DDT - type compounds: Separation and identification by a system combining thin layer chromatography, gas chromatography, and infrared spectroscopy. 7323

SPELEOGNATHOPSIS GALLI

Respiratory mites of poultry in the territory of Papua New Guinea. 6909

SPERMATOCYTES

Spermatocysts in Aedes aegypti (Linnaeus). 5397

SPERMATOGENESIS

Spermatocysts in Aedes aegypti (Linnaeus). 5397

Spermiogenesis in wild type and in a male sterility mutant of Drosophila melanogaster. 5738

The comparative metabolism of ethylene dimethanesulphonate and ethylene dibromide. 6652

SPERMATOPHORES

Juvenile sterility in male ticks of Orinthodoros tholozani. 5303

Experiments with an artificial spermatophore in cockchafer (Melolontha melolontha L.). 5431

The evolution and biological significance of multiple pairing in Lepidoptera. 5519

SPERMATOZOA

Spermtail finestructure of Echinococcus granulosus and Dicrocoelium dendriticum. 6978

SPHACELOMA FAWCETTI

A systemic fungicide effective against sour orange scab disease. 5957

SPHACELOTHECA REILIANA

A new race of Sphacelotheca reiliana in South Texas. 5933

SPHAERIOIDACEAE

Physiological studies on Phoma betae Frank and Rhizoctonia solani(Prill and Delacr.) Bourd and Galz which cause damping-off and root diseases of sugar beet in Egypt. 5867

SPHAEROCERIDAE

A new genus of wingless N. American sphaerocerid flies. 5131

SPHAERULARIIDAE

Heterotylenchus spp. parasitising the Australian bush fly: Additional information on the origin of the parasite of the face fly. 5375

SPHECIDAE

Contribution to the knowledge of Indo-Australian, South Pacific and East Asiatic Psenini genus Psen latreille (Hymenoptera, Sphecidae). 5092

Variation in Chlorion latreillei (Hymenoptera, Sphecidae). 5647

SPHECOIDEA

On some Sphecoidea from the Ryukyus (Hymenoptera). 5157

SPHINGIDAE

Is one able to diagnose the sex of the moth, Celerio euphorbiae (Lep., Sphingidae) in the caterpillar stage . 5070

On the synonymy of Leucophlebia lineata brunnea Closs with remarks on some sphingids collected by Sauter in Formosa, now in the German Entomological Institute. (Lepidoptera: Sphingidae). 5136

SPIDERS

The Imbecillus and Rufus groups of the spider genus Philodromus in North America. (Araneida: Thomisidae). 5020

The spider genus Loxosceles in South America (Araneae, Scytodidae). 5042

Investigations concerning resistance to cold of Araneus cornutus (Araneidae). 5409

Notes on the Swedish species of the genus Centromerus F. Dahl. (Araneae, Linyphiidae). A faunistic report with ecological remarks. 5422

Karyological studies on the Indian spiders. VIII. Mitosis and meiosis in two species belonging to the family Gnaphosidae. 5478

The ingestion in wolf spiders. I. Capacity of gut of Lycosa pseudoannulata. 5493

SPIKE DISEASE

A symptomless carrier of sandal spike disease. 6027

SPINDLE TUBER

Potato spindle tuber virus: A plant virus with properties of a free nucleic acid. I. Assay, extraction, and concentration. II. Characterization and partial purification. 6051

SPIROCERCA LUPI

The development of the infective larva of the canine oesophageal tumour worm Spirocerca lupi in rabbits and its histopathology. 6926

SPISSISTILUS FESTINUS

Alfalfa hopper damages small soybean plants. 6151

SPLEEN

Localization of P32 labeled Mycobacterium tuberculosis in fowl organisms. 6636

On pyroplasmodias in sheep and goats. II. Research into anaplasmosis. 6686

Contribution to the traumatic splenitis and hepatitis in cattle. 6740

Identification of a piroplasme found with sufficient frequency in our cattle. 6790

Notes on the spontaneous pathology of the dog in the laboratory. 2nd note: Hematoma of the spleen. 6850

SPODOPTERA EXIGUA

The study of the aerial migration of insects as applied to phyto-sanitary control. 5237

Meteorological aspects of insect migrations. 5379

SPONGOSPORA SUBTERRANEA

The behavior of potato mop-top virus in soil, and evidence for its transmission by Spongospora subterranea (Wallr.) Lagerh. 5979

SPORANGIA

Morphology and chemistry of the parasporal body of Bacillus fribourgensis. 5450

SPORE GERMINATION

Growth, sporulation and germination of spores of Bacillus thuringiensis var. thuringiensis Berliner. 5293

Exudates of germinating spores of Bacillus thuringiensis. 5502

The developing ascospore wall of Hypoxylon fragiforme. 5794

Biology of Ascochyta species parasitic on pea plants. 6023

SPORES

Comparisons of cells, refractile bodies, and spores off Bacillus popilliae. 5477

Electron microscopy of the development of the lining of the sporoblast in the coccidian Coelotropha durchoni. 5535

A modified soil percolator for zoospore production and infection in studies on zoosporic root pathogens. 5868

Mobilization factors in uredospores and bean leaves infected with bean rust fungus. 5908

The powdery mildews on the ornamental plants. 5982

Biology of Ascochyta species parasitic on pea plants. 6023

Note : Oospores of Sclerospora philippinensis Weston from corn leaf tissue. 6024

Microsporogenesis of the bird's-foot trefoil (Lotus corniculatus L.). 6329

Study of the transfer of amino acids from aminoacyl transfer ribonucleic acid into protein by ribosomes from uredospores of the bean rust fungus. 6879

SPOROTRICHUM

Biological methods for determining the toxicity of grain in connection with its infestation with toxigenic microfungi. 7147

SPORULATION

Growth, sporulation and germination of spores of Bacillus thuringiensis var. thuringiensis Berliner. 5293

The effects of low temperature on the sporulation and survival of oocysts of Eimeria perforans, media, magna and irresidua. 6944

SPRAYING

A summary of forest and shade tree insect-disease conditions for Maine 1967. 4979

How to control bed bugs. 5185

Hard to kill pests of fruit trees - woolly apple-aphid. 5195

Spraying in mustard is a must. 5258

DDT resistance in Oncopera. 5355

Observations on various treatments applied in Lebanon in 1966 against Ceratitis capitata Wied. 5392

Insects and related pests of house plants; how to control them. 5395

Southern tree chapter briefed on borer control. 5459

Relative susceptibility of stored-product insects to insecticides. 5631

1969 fruit spraying recommendations for commercial growers. 5802

1969 fruit spraying calendar, for commercial fruit growers. 5804

Arsenal for disease control. 5864

Black spots of apples: A warning service for fruit-growers. 5865

Controlling insects and diseases on trees. 5897

Botran used as an orchard spray vs. Botran in the hydrocooler and control of post-harvest decay of peaches. 5904

Potato early blight and storage rot. 5911

Chemical control of bean bacterial diseases in Wisconsin. 5951

Home fruit spray guide. 5959

Progress through research- blue mould of tobacco. 5960

Peach leaf curl. 6006

Perennial canker and bull's eye rot of apples. 6007

Investigation of means for the chemical control of basal rot (Phytophthora capsici Leon.) of pepper. 6010

Khaira disease of rice and its control. 6028

Lemon scab (Sphaceloma fawcettii scabiosa). 6029

Effect and compatibility of nutrient sprays with insecticides and fungicides for groundnut (A. hypogea). 6063

Influence of pre- and post-harvest treatments on bitter pit of Granny Smith apples in the Goulburn Valley. 6104

New disease in European plums. 6129

Field studies on the chemical control of the stem borer Chilo partellus on hybrid sorghum in India. 6143

Factors affecting the appearance of holly oaks in Southern California. 6160

Hylemyia cilicrura Rond. on the Dianthus cultures of Pescia and Versilia. 6174

1969 tree fruit spray guide. 6183

Insect control in cotton. 6186

Insecticidal field treatments for the control of the European corn borer. Ostrinia nubilalis (Hubner) in Southwestern Quebec, 1967. 6193

Chemical control of codling moth with DDT and sevin, the resistance problem of codling moth to DDT and additional observations on the effect of fruit thinning of sevin. 6195

Yield reduction of oats caused by the cereal leaf beetle. 6222

Capsid bugs on fruit. 6225

New insecticides against pests of rape and beets. 6248

The red currant gall mite can be controlled by spraying. 6268

Cotton insect pest control. 6269

Lawn weed control with herbicides. 6310

Proclaimed noxious weeds in Victoria. 6312

Weeds that make a comeback. 6315

Weed and brush control for drainage ditches. 6320

Weed control in corn. 6333

Repeated spraying to control southwest Oregon brush species. 6338

Chemical growth inhibition in turf. 6349

Cultural and chemical weed control in field crops, 1969. 6365

Weed control in field crops, 1969. 6366

Broadleaf weed control in rice. 6370

Sprayable or subcutaneously adminstrable vaccine for the immunization of mustelines against distemper and process for its preparation. Patent 3,420,934. 6454

Cattle lice; how to control them. 6889

Protect stored grain from insect damage. 7033

Environmental pollution: Scientists go to court. 7072

Some observations on the effects of using organochlorine sprays in an orchard. 7098

An investigation of the content of the chlorinated hydrocarbon residues of the crustacean plankton in the Balaton. 7128

High praise for low volume insecticide spraying. 7136

Herbicide toxicity. 7155

Notes on precautions to be taken in the use of spray chemicals. 7159

Toxicity of DDT and related compounds to certain lepidopteran cotton insects. 7215

Conversion of 4-(2,4-dichlorophenoxy) butyric acid to homologs by alfalfa; mechanism of resistance to this herbicide. 7264

Effect of Bordeaux Mixture spray on fruit set in coffee (Coffea arabica L.). 7283

Formulation analysis: The effect of different storage treatments on the susceptibility, agglomeration and deterioration of surfactants of DDT water-dispersible powders. 7398

A sub-surface applicator for herbicides. 7399

Theoretical and practical aspects of room spraying. 7401

Log-normal spray drop distribution analyzed by two new computer programs. 7402

SPRAYING EQUIPMENT

Applying insecticides to cotton crops. 4971

Insects and diseases of vegetables in the home garden. 6242

Weed control in field brassica crops. 6321

Spraying pastures. 6348

Chemical weed control in sweet potatoes. 6396

Oil deposit on grapefruit leaves with 3 types of spray equipment in relation to control of certain citrus pests. 7101

Operation and maintenance of power sprayers. 7388

Spray nozzles must be recalibrated at regular intervals. 7390

Application of herbicides and calibrating equipment. 7393

The microfoil boom. 7394

Performance of some lever-operated knapsack sprayers. 7395

Suggested techniques for assessing the durability of lever-operated knapsack sprayers. 7396

Air blast sprayer covers 24 rows. 7400

Log-normal spray drop distribution analyzed by two new computer programs. 7402

SPRING DEAD SPOT

Disease control. 6138

SQUASH

Pectic and cellulolytic enzymes produced by Mycosphaerella citrullina and their relation to black rot of squash. 5903

Effects of dimethyl sulfoxide on the biological activity of selected miticides and insecticides. 7280

SQUIRRELS

The olfactory bulb lesion in the hibernating squirrel (Citellus lateralis) infected with coxsackievirus B-3. I. Virus assay, light microscopic and immunofluorescent study. 6604

The olfactory bulb lesion in the hibernating squirrel (Citellus lateralis) infected with coxsackievirus B-3. II. Immunological study. 6816

The feeding habits of the yellow mongoose, Cynictis penicillata, the suricate, Suricata suricatta and the Cape ground squirrel, Xerus inauris. 1. Analysis of stomach contents 2. Observations on free-living and captive animals. 6886

Ectoparasites and helminth endoparasites of the tree squirrels of southwest Tennessee. 6982

ST. LOUIS ENCEPHALITIS

Culex nigripalpus: Seasonal shift in the bird-mammal feeding ratio in a mosquito vector of human encephalitis. 5753

STAINING

Modifications of the Bodian technique applied to insect nerves. 5263

STALK ROT

Corn lodging. I. Relations between soluble solids, inorganic phosphates and basal stalk and root rots in mature plants. 6066

STAPHYLINIDAE

The Micropeplidae and Staphylinidae (I. Steninae, Euaesthetinae and Oxyporinae), Coleoptera of Pakistan with descriptions of a new tribe, genus and three species from Karachi. 4980

A new genus and new species of the Oxytelinae from Brazil (Coleoptera, Staphylinidae). 5060

Finnish discovery of Aleochara peeziana Lohse (Coleoptera, Staphylinidae). 5148

STAPHYLOCOCCI

The route to control of mastitis. 6465

Gangrenous mastitis in ewes. II. Characteristics of the staphylococci, isolated from healthy ewes and from ewes affected with gangrenous mastitis. 6675

STAPHYLOCOCCIC INFECTIONS

Novobiocin for use in chicken and turkey feed. Drugs for veterinary use; drug efficacy study implementation. 7176

STAPHYLOCOCCUS

An enzooty of strangles caused by virus A2 equi Miami 63 in the region of Lyon. 6656

An in vitro and in vivo study of the effect of DDT on the phagocytic activity of rat white blood cells. 7174

STAPHYLOCOCCUS AUREUS

The characteristics of Staphylococcus aureus isolated from cases of staphylococcosis in poultry. 6614

Some characteristics of Staphylococcus aureus isolated from the skin and upper respiratory tract of domesticated and wild (Feral) birds. 6615

Arthritis in chickens due to Staphylococcus aureus. 6680

Staphylococcus epizootic in western Oregon cottontails. 6712

Metabolic substances of Staphylococcus aureus of bovine udder origin - a quantitative study. 6739

Investigations concerning the microflora of isterband , a Swedish fermented type of sausage. 7062

Production of enterotoxin-B in cured meats. genigeorgis, c. 7063

Effect of DDT, dieldrin, heptachlor on the growth of selected bacteria. 7234

STARCHES

Report on experiments with varieties of medium early to late potatoes for human consumption and industrial use 1964-1966 (series 46). 5806

STARLINGS

Salmonella in the starling (Sturnus vulgaris). 6771

STARVATION

The effect of predator age on the functional response of Podisus maculiventris to the prey size of Galleria mellonella. 5485

Effect of starvation on the scorpion Palamnaeus bengalensis. 5612

STATISTICAL ANALYSIS

The phenetic relationships of the butterflies. I. Adult taxonomy and the nonspecificity hypothesis. 5026

Some new analytic and graphic approaches to numerical taxonomy, with an example from the Dermanyssidae (Acari). 5106

Continuous variation in related species of the genus Catocala (Noctuidae). 5180

Incidence of Bacillus popilliae (Dutky) in Costelytra zealandica (White) larva. 5406

Quantitative study of divergence in the morphological evolution of certain infraspecific entities in domestic honeybees (A. mellifera L.). 5448

Contributions to the study of the biometric characteristics of the silkworm as influenced by nutrition. 5589

On emergence times within the genus Polamorphylax Wallengren (Trichoptera, Linnephilidae). 5645

Utility value of different cultivated Mentha piperita varieties. 5788

Some aspects of Fusarium infection of wheat seeds. 6107

Design and analysis of forest-mammal repellent tests. 6404

Statistical analysis of blood serum composition, urine excretion levels and the occurrence of urolithiasis in sheep. 6687

Effects of the insecticide Sevin on survival and growth of the cockle clam Clinocardium nuttalli. 7094

Residues of dieldrin (HEOD) in the tissues of experimentally poisoned birds. 7130

STATISTICAL METHODS
The possibility of estimating loose smut in a seed lot of barley with regard to the increase from one generation to the next.
5934

STATISTICS
Report on forest research for the year ended March 1968.
5845

STEAM
Investigations into the source of bacterial contamination of pork. II. In steaming.
7054

Effect of direct steam heating and vacuum treatment on levels of pesticide residues in milk.
7119

STEM BLEEDING
Diseases and pests of coconut in Kerala.
5814

STEM END ROT
Controlling stem-end rot of ripe mango.
6035

STEM PITTING
Some observations and comments on stem-pitting of peach, its control and a nursery improvement program.
5782

STEM ROT
Stem rot of oil palms in the Federal Experiment Station, Serdang.
6026

STEM RUST
The influence of CCC on disease contraction of grain.
7322

STEM RUST (WHEAT)
Wheat and stem rust - specialist advice.
5958

STEMS
Some observations and comments on stem-pitting of peach, its control and a nursery improvement program.
5782

STEREOCHEMISTRY
Fat as a factor in the epimerization of chlortetracycline in feeds.
7353

STEREUM PURPUREUM
Preliminary considerations on the study of resistance of fruit trees to silver-leaf disease.
5950

Watch for silver leaf.
6014

STEREUM SANGUINOLENTUM
Factors affecting infection of balsam fir (Abies balsamea) by Stereum sanguinolentum in Quebec.
5924

Studies on Stereum sanguinolentum in Kenya pine plantations.
5948

STERILITY
Results of consecutive matings of female Anopheles gambiae species B with fertile and sterile males.
5242

Juvenile sterility in male ticks of Orinthodoros tholozani.
5303

Chemosterilization of the two-spotted spider mite. I. Effect of chemosterilants on the biology of the mite. II. Histopathological effect of apholate and 5-fluorouracil on the reproductive organs.
5390

House fly control by chemical sterilization with apholate.
5430

New strategy against the codling moth.
5520

Sterilizing effect of high temperature on the male silkworm, Bombyx mori L. (Lepidoptera: Bombycidae).
5634

Morphological divergences and sterility barriers in the Aedes mariae complex (Diptera, Culicidae).
5699

Spermiogenesis in wild type and in a male sterility mutant of Drosophila melanogaster.
5738

Unusual filamentous structures in the paragonia of male Drosophila.
5742

All we know about pink bollworms.
6271

Enzootic abortion and sterility from bovine leptospirosis in the Po valley.
6488

On the mineral content of the Swiss meadow fodder and its relationship to herd sterility.
6616

The influence of streptococci on the genitals and fertility of thoroughbred mares.
6804

STERILIZATION
In vitro degradation of DDT by intestinal contents of Atlantic salmon (Salmo salar).
7096

STEROIDS
Ecdysones and analogs: Effects on development and reproduction of insects.
5835

Effect of some pesticides on the adrenal glands in the rat.
6424

Improving egg quality in poultry by orally administering androgens. Patent 3,438,783.
6433

STEROLS
Utilization of larval cholestrol-4-C14 for reproduction in house flies fed unlabeled cholesterol in the adult diet.
5481

Desmosterol as a common intermediate in the conversion of a number of C28 and C29 plant sterols to cholesterol by the tobacco hornworm.
6835

STICTOCEPHALA BUBALUS
Polynema striaticorne Girault (Hymenoptera: Mymaridae), a parasite of the buffalo treehopper, Stictocephala bubalus (F.) (Homoptera: Membracidae), in Quebec.
5465

STIMULANTS
The stimulation of 2,4-dinitrophenol-activated ATPASE by anions.
4976

STINKING SMUT
Experiments on the control of cereal smuts with a derivative of 1,4-oxathiin.
5987

STOMACH
Bibionid larvae in the stomach of a deer.
4978

Flea Ctenophthalmus: Heterogeneous hexagonally organized layer in the midgut.
5558

A laboratory method for assessing the toxicity of stomach poisons to slugs.
6407

STOMOXYS CALCITRANS
Incorporation of tritiated thymidine into the ovarian DNA of stable flies: Effects of treatment with apholate.
5259

Simple, safe, effective fly control for dairy farms.
5301

Houseflies, blowflies and cluster flies.
6901

STORAGE
The determination of the insecticidal activity of an 8 year old sample of DDT by biological method.
5509

Determining suitable wintering and hatching regimes of the eggs of the silk worm (Bombyx mori L.).
5687

Growing vegetables in South Dakota.
5832

It takes more than tender, loving care to prevent blackspot.
5870

Radiobiological damage: A new class identified in barley seeds stored after irradiation.
7022

Fumigate stored rice to reduce loss to insects.
7030

Laboratory tests of five new insecticides as protectants for stored rough rice. (abstract).
7031

Protect stored grain from insect damage.
7033

New possibilities of pest control in mills and flour storages by DDVP chemicals.
7035

Control of rodents.
7043

Reduction in aflatoxin contamination of rice by milling procedures.
7200

Recovery from gamma radiation injury in barley seeds.
7256

Formulation analysis: The effect of different storage treatments on the susceptibility, agglomeration and deterioration of surfactants of DDT water-dispersible powders.
7398

STORAGE DISEASES
Potato early blight and storage rot.
5911

Sensitivity of stored melon fruit fungi to gamma irradiation.
7025

A new disease of potato tubers caused by Gilmaniella humicola Barron.
7029

Nitrogen increases bell pepper susceptibility to bacterial soft rot.
7309

The influence of CCC on disease contraction of grain.
7322

STORAGE INJURIES
Protect stored grain from insect damage.
7033

STORED PRODUCT INSECTS
Protect stored grain from insect damage.
7033

Stored grain insects as carrier of fungi.
7034

STORED PRODUCTS
Division of Entomology Annual Report, 1966-67.
4968

Control of household insects.
5593

Relative susceptibility of stored-product insects to insecticides.
5631

1969 insect control guide for Colorado. I. Cereal crops, field crops, forage crops, stored grain.
6182

The importance of relative humidity in the storage of cereals.
7028

Saving stored rice from attacks of insect pests.
7037

Biological methods for determining the toxicity of grain in connection with its infestation with toxigenic microfungi.
7147

STRANGLES (HORSES)
An enzooty of strangles caused by virus A2 equi Miami 63 in the region of Lyon.
6656

STRAW
Saprophytic survival of Ophiobolus graminis on various hosts.
5889

STRAWBERRIES
The weed vegetation of flower beds and irrigated cultivations in Cairo and some adjacent provinces. 5837
Heat sensitization for control of grey mold of strawberry fruits by gamma irradiation. 6090
Studies on the strawberry mite (Tetranychus telarius (L). 6161
1969, strawberry insect and disease control. 6247
Weed control techniques aid trials with hedge row planting of blackcurrants. 6314

STREAMS
The effect of reduction in stream flow on invertebrate drift. 5475
Life cycles of benthic insects in Lapland streams (Ephemeroptera, Plecoptera, Trichoptera, Diptera Simuliidae). 5653
Will the use of 2,4,5-T to control streamside vegetation contaminate public water supplies . 7078

STREPTOCOCCUS
The influence of streptococci on the genitals and fertility of thoroughbred mares. 6804

STREPTOCOCCUS FAECALIS
Pathogens of the gypsy moth. 5289
An infection of Streptococcus faecalis Andrewes et Horder in the pine looper moth, Bupalus piniarius L. (Lepidoptera, Geometridae). 5654
Identification of enterococci in chicken livers. 6762

STREPTOCOCCUS THERMOPHILUS
Penicillin and other inhibitory substances in milk: The development and application of a routine test in New Zealand. 7061

STREPTOMYCES SCABIES
Virus enhancement with a growth product of Streptomyces scabies. I. Production and properties of scaben. 5810
Virus enhancement with a growth product of Streptomyces scabies. II. Increased release of coxsackievirus B5 from hEp-2 monolayers treated with scaben. 5811
Selection of parents and crosses suitable for use in breeding for resistance to scab. 6038

STREPTOMYCIN
Leafspot of gardenia. 6126
Effects of dimetridazole and antibiotics on growth and reproduction in turkeys. 6415
Use of ampicillin instead of streptomycin in Salmonella-infected mouse peritoneal macrophage cultures. 6605
Field observations on parenteral antibiotic treatment of ovine foot-rot. 6613
Observing the sensitivity of Franciscella tularensis to antibiotics in vitro. 6621
In vitro degradation of DDT by intestinal contents of Atlantic salmon (Salmo salar). 7096
Increase in resistance to antibiotics in mastitis agents. 7213

STRIDULATION
A sound-activated method for recording insect activity. 4970
Mechanism of the insect ear. 5373
Sounds produced by Neptis hylas (Nymphalidae). 5596

STRIGA ASIATICA
Progress in witchweed control seen as pest fails to spread. 6319

STRIP-MINED AREAS
Manganese toxicity of legumes seeded in Kentucky strip-mine spoils. 7145

STRIPE
Dwarf, yellow dwarf, stripe, and black-streaked dwarf diseases of rice. 5968
Rice stripe disease in Korea. 5992
Varietal resistance to stripe, dwarf, yellow dwarf, and black-streaked dwarf. 6064
Genetics of and breeding for resistance to rice virus diseases. 6111
Ecology of insect vectors, forecasting, and chemical control. 6205
Effect of rice-pathogenic viruses on their insect vectors. 6216

STRIPE RUST
Collected papers on cereal diseases. (Septoria, Fusarium, yellow rust). 5881
The occurrence and observation of Puccinia striiformis in the State of Washington. 5935
Investigations on yellow rust in wheat and barley, 1962-1965. 6096

STRIPE SMUT
The stripe smut problem in Merion Bluegrass. 5965

STRONGYLOIDES
Note on Bourgelatia diducta, Oesophagostomum longicaudum and Globocephalus urosubulatus (Nematoda-Strongylidea) in swine of Minas Gerais, Brazil. 6911
The geographical and evolutionary relationships of Australian trichostrongyloid parasites and their hosts. 6955
Further experiments on the treatment of Strongyloides infestation of horses with thiabendazole. 7011

STRONTIUM ISOTOPES
Veterinary treatment of farm animals in the case of external radioactive contamination. First communication. Veterinary treatment of sheep and pigs externally contaminated with phosphorus32 and strontium89. 6428
Strontium-90: Concentrations in surface waters of the Atlantic Ocean. 7070
Distribution of Strontium 90 and Cesium 137 in dairy products in the processing of ewe's milk. 2. In white brined cheese. 7140

STRYCHNINE
Aversion to strychnine sulfate by Norway rats, roof rats, and pocket gophers. (abstract). 7171

STUBBLE
Stubble burning helps control Wimmera rye grass. 6362

STUMPS
Borax and control of stump infection by Fomes annosus in western hemlock. 5920

STUNT
The present status of virus diseases of rice in Ceylon. 5858
Transmission of rice viruses in Southeast Asia. 5998
Some rice diseases suspected to be of virus origin in South Viet Nam. 6110

SUBSTRATES
Neuraminidase activity of the Newcastle disease virus. I. A study of the enzyme activity in differently cultivated strains. 6847

SUCCINIC ACID, 2,2-DIMETHYLHYDRAZIDE
Effects of growth retardants on Vitis vinifera L. 7218

SUCROSE
Long-term regulation of sugar intake by the blowfly. 5322
Heat resistance of Salmonella in various egg products. 7057
The effect of potassium on the metabolism of sugar beet plants infected with sugar beet yellows virus. Part II. Net assimilation rate and sugar production. 7315

SUGAR
Changes in ration of sugars and amino acids in cotton-plant and maize upon gamma-irradiation of seeds prior to sowing. 7250
The effect of potassium on the metabolism of sugar beet plants infected with sugar beet yellows virus. Part II. Net assimilation rate and sugar production. 7315

SUGAR BEETS
The sugar beet. 5791
Physiological studies on Phoma betae Frank and Rhizoctonia solani(Prill and Delacr.) Bourd and Galz which cause damping-off and root diseases of sugar beet in Egypt. 5867
Soil nematode fauna occuring in the Jadwisin fields near Warsaw and the effect of environmental conditions on them. 6296
Matricaria and lambsquarter control in Brassicas with analogs of propachlor. 6368
Burning weeds in drainage ditches to suppress populations of green peach aphids and incidence of beet western yellows disease in sugarbeets. 6395
On the agricultural importance of the rook (Corvus frugilegus L.). 6435
Soil factors contributing to atrazine carryover. 7084
Persistent pesticides: A problem. 7110
The effect of potassium on the metabolism of sugar beet plants infected with sugar beet yellows virus. Part II. Net assimilation rate and sugar production. 7315
The effect of potassium on the metabolism of sugar beet plants infected with sugar beet yellows virus. Part I. Water balance and the optake of some mineral nutrients. 7316

SUGARCANE
Control of smut on sugarcane. Regulation of varieties of sugarcane which can be cultivated in the state of Sao Paulo. 5854
Inheritance of mosaic resistance in sugarcane. 6084
Insect-pests attacking sugar cane at Agra. 6165

Comparative efficacy and economics of various measures adopted for eradication of white grub beetle (Holotrichia serrata Fabricius) damaging sugarcane in Uttar Pradesh. 6204

Preliminary observations on Heteronychus robustus ArrowA beetle pest of sugarcane in Uttar Pradesh. 6250

Tropical nematology. 6305

SUGARS

Rearing of Ips cembrae larvae on artifical diets: Some essential amino acids and sugars. 5206

Influence of some herbicides on accumulation of 32P in above-ground organs of oats. 7223

SUINT

Investigation of sheep dips. 3. The influence of breed on stripping and deposition in the fleece of diazinon. 7124

SULFADIMETHOXINE

Safety and compatibility of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad spectrum coccidiostat-antibacterial, in chickens. 6707

Anticoccidial activity of sulfadinethoxine potentiated mixture (Ro 5-0013) in chickens. 6726

SULFATES

Aversion to strychnine sulfate by Norway rats, roof rats, and pocket gophers. (abstract). 7171

Influence of magnesium and zinc fertilizing on the yield, quality as well as health of hops. 7266

The distribution of trace elements in the leaves of the coconut palm, and the effect of trace element injections. 7297

SULFONAMIDES

Killing of pests with alkyl sulfonamide phosphates and phosphonates. Patent 3,446,896. 7379

SULFUR

New disease in European plums. 6129

Influence of sulfur on incidence of white muscle disease in lambs. 6865

Sulfur response of alfalfa in Western Montana. 7296

SULFUR COMPOUNDS

Olfactory response of larvae of the onion maggot, thylemya antiqua Meigen (Diptera: Anthomyiidae) to organic sulfur compounds. 5458

SULFUR DIOXIDE

Studies on the effectiveness of fox den fumigation for rabies control in the district of Wolgast. 6696

SULFUR ISOTOPES

Mutations produced by transmutation of phosphorus-32 to sulfur-32 within Drosophila DNA. 5437

SULLA SWEETVETCH

The crinkly mosaic of sweetvetch (Hedysarum coronarium L.). 6005

SUMMER SORES

On the granular dermatitis in horses which contains a kind of true fungus in the foci II. 6460

SUNFLOWERS

Mechanisms of pathogenesis in Sclerotium bataticola on sunflowers. 1. Production and translocation of a necrosisinducing toxin. 5890

Physiological changes in sunflowers infected by storage rot. 6041

Research on the associated culture of viruses and vegetable tissues. 6049

The influence of indole-3-acetic acid and vitamin B1 on the growth and yields of sunflower plants. 7261

SUPELLA SUPELLECTILIUM

A sound-activated method for recording insect activity. 4970

SUPERPHOSPHATES

Incidence of Bacillus popilliae (Dutky) in Costelytra zealandica (White) larva. 5406

SURFACE FINISH

Behavior of the German cockroach, Blattella germanica (L.), in response to surface textures. 5224

SURFACE-ACTIVE AGENTS

Relative susceptibility of stored-product insects to insecticides. 5631

Postemergence weed control in soybeans. 6378

Controlling bloat in cattle grazing clover. 6578

Oil deposit on grapefruit leaves with 3 types of spray equipment in relation to control of certain citrus pests. 7101

SURGERY

Duodenal leiomyosarcoma: A case report. 6491

Urine-retention caused by a peri-urethal leiomyoma, in a female dog. 6691

SURVEYS

A report on the culophid (Hymenoptera: Chalcidoidea) fauna of two scottish birch woods. 4990

Horse-flies (Diptera, Tabanidae) collected in the East Hindukush Mountains, Afghanistan. 5010

New species of Pseudosinella from caves (Insecta: Collembola). 5045

New combinations affecting the genus Aiolopus (Orthoptera: Acridoidea) and a description of a related new genus and species from Australia. 5071

Orthoptera-Caelifera from northern Kenya and Jubaland. IV. Acrididae, s. str.: Calopteninae, Euryphyminae, Eyprepocnemidinae, Catantopinae, Cyrtacanthacridinae. 5080

Some remarks on the tampans of the Ornithodoros moubata complex in southern Africa. 5102

The arthropod fauna of Sambhar Salt Lake, Rajasthan, india. 5203

Cave Carabidae (Coleoptera) of Mammoth Cave, part II. 5211

A simple method for counting leaf-hopper eggs inserted in plant issue. 5319

Insect-flower associations in the high Arctic with special reference to nectar. 5366

Plant protectors. 5812

Contribution to the knowledge of Microlepidoptera on oaks in Israel. 6258

The golden nematode of potatoes and tomatoes. 6283

Are herbicides doing their job . 6311

A new method of rat control in coconuts. 6412

Parasites of man and domestic animals in Vietnam, Thailand, Laos, and Cambodia. Host list and bibliography. 6437

Survey of dairy herds in the Moss Vale district of New South Wales. 1. Disease wastage. 6711

Incidence of bovine coccidia in western Oregon. 6748

Investigations on the incidence of rinderpest virus infection in game animals of n. Tanganyika and s. Kenya 1960/63. 6769

Encephalitis field surveillance in Orleans Parish. 6903

Salt marsh mosquito control in relation to beef cattle production: A preliminary report. 6904

A helminthological survey of wild mink in Wisconsin. 6939

On the nematode fauna of domestic fowl in the Lithuanian SSR. 6959

Parasitological situation on the hen farms in Lithuania. 6960

On the infection of the Lithuanian birds by the cestodes. 7018

The murids in the vicinity of Lake Kivu and neighboring regions (Central Africa) and their ecology. 7045

Salmonella in meat imported from South American countries. 7064

No serious problem with pesticide residues. 7089

Pesticide residues are not a problem. 7099

Organochlorine insecticide residues in complete prepared meals: A 12-month survey in S. E. England. (abstract). 7121

Agricultural engineering. 7392

Commodity notes. Pesticides. 7406

SUSCEPTIBILITY

Susceptibility of an alfalfa leafcutting bee to residues of insecticides on foliage. 5668

Comparative susceptibilities of the cat and the domestic pig to the west African strain of Trichinella spiralis. (Owen, 1835). 6947

Growth characteristics and herbicide susceptibility of Texas Panicum. 7232

SUTURES

Effect of ligaturing on puparium formation in the larva of the tsetse fly, Glossina morsitans Westwood. 5432

SWARMING

Blacus-dances, experiences and studies (Braconidae, Hymenoptera). 5343

Blacus-dances, experiences and studies (Braconidae, Hymenoptera). 5344

Diel patterns of swarming and other activities of two arctic dipterans (Chironomidae and Trichoceridae) on Spitsbergen. 5639

SWEETCLOVER

Transmission and translocation of red clover vein mosaic virus in clover. 5921

SWEETPOTATOES

Herbicides for weed control in sweet potatoes. 6341

Chemical weed control in sweet potatoes. 6396

SWIETENIA

The use of herbicides for site preparation and their effects on tree survival. 6369

SWINE

Growth, feed efficiency and gross chemical composition in market-weight pigs as influenced by a combination of synthetic sex hormones and tylosin. 6420

Zootechnical initiatives carried out during 1966. 6422

Shell products for animal health. 6423

Experiments with fattening pigs on pasture. 6426

Veterinary treatment of farm animals in the case of external radioactive contamination. First communication. Veterinary treatment of sheep and pigs externally contaminated with phosphorus32 and strontium89. 6428

Excretion of radioactive mestranol in the milk of animals. 6444

Bordetella bronchiseptica and infections of the nasal cavity in swine. 6457

Pig diseases. 6489

Investigations on the viruses of the Orphan type occurring in pigs in Poland. IV. Haematological findings in piglets artificially infected with virus L1. 6500

Investigations on the viruses of the Orphan type occurring in pigs in Poland. VII. Influence of the Orphan virus L1 on the virus of hog cholera in swine kidney cell cultures. 6501

Disease prevention in the piggery. 6544

Characterization of Mycoplasma suipneumonuaii A mycoplasma causing enzootic pneumonia of pigs. 6597

Investigation on the viruses of the Orphan type occuring in pigs in Poland. III. Pathogenic properties of virus L1. 6645

Propagation of swine-fever virus in cell culture. 6655

The prophylaxis of so-called milk fever of sows. 6662

Pathology of extranasal lesions in experimental inclusion-body rhinitis of pigs. 6664

Eperythrozoonosis in swine: A review. 6669

Simultaneous prophylactic vaccinations of swine against hog cholera and pasteurellosis. 6673

Diarrhoea in pigs. 6699

The diagnosis of European swine fever. 6709

On antibody metabolism in pigs and calves, following the application of homologous and heterologous specific gamma-globulins. 6718

Dietary hepatic necrosis associated with selenium-vitamin E deficiency in swine. 6723

Fibrinous colitis in pigs. 6745

Immunoglobulin development in sera of pigs injected with killed suspensions of Salmonella choleraesuis. 6788

Contribution to atrophic rhinitis in pigs. 6803

Action of bacterial endotoxins on the blood circulation system with consideration of the relations to enterotoxemia (edema disease) of the swine. 6859

Biochemical and biophysical characteristics of vesicular exanthema virus and the viral ribonucleic acid. 6864

Relationship of aflatoxin to epizootics of toxic hepatitis among animals in southern United States. 6870

Hypovitaminosis A and hypomagnesaemia of swine. 6882

Investigations on the viruses of the Orphan type occurring in pigs in Polannd. V. Histopaphological changes in the central nervous system of piglets infected with virus L1. 6885

Note on Bourgelatia diducta, Oesophagostomum longicaudum and Globocephalus urosubulatus (Nematoda-Strongylidea) in swine of Minas Gerais, Brazil. 6911

Worms in pigs. 6916

The investigation of alkaline phosphatase in the feces of pigs during experimental oesophagostomosis. 6931

Worm control in swine. 6942

Comparative susceptibilities of the cat and the domestic pig to the west African strain of Trichinella spiralis. (Owen, 1835). 6947

The value of some standardized Trichinella spiralis antigens, as estimated by intradermal tests. 6948

The investigations of main intestine enzymes--enterokinase and alkaline phosphatase in experimental pig trichocephaliasis. 6964

The dynamics of total protein amount and protein fractions in the blood serum during experimental pig trichocephaliasis. 6971

A physico-chemical approach to the serological diagnosis of cysticercosis. 6976

Adenosinetriphosphatase activity in muscle tissue mitochondria of swine ascarid (Ascaris suum, Goeze, 1758). 6990

Metastrongylus salmi Gepoelst, 1923--the pig parasite. 6996

Cytochrome c oxidase in migrating larvae of Ascaris lumbricoides var. suum. 7014

Anthelmintic treatment of sows with thiabendazole. 7015

Nebraska's specific pathogen-free (SPF) swine program; tenth year report. 7016

Experimental arsanilic acid poisoning in pigs. 7169

Applicability of mildew-infested wheat to feeding.- Short communication. 7214

SWINE PLAGUE

The effect of antibiotics on the immunity development to pasteurellosis in swine. 6592

SWINEPOX

Electron microscopic observations of inclusion bodies in swinepox. 6735

SYMBIOSIS

Comparison of the structure of symbiotic bacteria in various sap sucking insects. 5433

Preliminary studies on mycorrhiza in Adonis vernalis. 5991

Figs (Ficus spp.) and fig-wasps (Chalcidoidea). 6190

SYMPOSIA

The virus diseases of the rice plant. Proceedings of a symposium at the International Rice Research Institute, April, 1967. 5973

Tropical nematology. 6305

SYMPTOMATOLOGY

Transmission experiments on the tungro virus in Thailand. 5429

In vivo and in vitro cytological diagnosis of densonucleosis in Lepidoptera. 5469

Some observations and comments on stem-pitting of peach, its control and a nursery improvement program. 5782

Snapdragon rust. 5882

Potato early blight and storage rot. 5911

The stripe smut problem in Merion Bluegrass. 5965

Cross interaction between different components of two strains of alfalfa mosaic virus. 6004

Peach leaf curl. 6006

Perennial canker and bull's eye rot of apples. 6007

Khaira disease of rice and its control. 6028

Etiology, symptomatology and epidemiology of a virus disease of cultivated mushrooms. 6069

Studies on resistance to yellow mosaic in barley. II. Comparison of varietal reactions to the viruses of different sources and relation between disease symptom and damage. 6103

Rubbery wood disease becomes more extensive. 6121

Leafspot of gardenia. 6126

Fusarium foot-and-stem disease of the carnation. 6127

'miracle' tree is in trouble. 6301

Enzootic abortion and sterility from bovine leptospirosis in the Po valley. 6488

Pig diseases. 6489

Actinomycosis of mandible gingivae. 6494

Observations on the causes of chronic bloating in young cattle. 6537

Behavior of equine infectious anemia virus in cell culture and development of a diagnostic test for the disease. 6562

Outbreak of ornithosis in a flock of carrier pigeons in Copenhagen. 6584

Remarks on the receptivity of new born lambs towards the foot-and-mouth disease virus. 6649

The control of contagious abortion. 6702

Vaginal papilloma of the cat. 6706

Contribution to the traumatic splenitis and hepatitis in cattle.
6740

A study of experimental ornithosis in the white mouse infected through the peritoneal cavity.
6751

Experimental salmonellosis in swine and its clinical-hematological characteristics.
6825

Experimental studies on bovine tick-borne fever. 1. Clinical and haematological data, some properties of the causative agent, and homologous immunity.
6844

TGE prevention your goal.
6845

The canine leptospiroses.
6848

Action of bacterial endotoxins on the blood circulation system with consideration of the relations to enterotoxemia (edema disease) of the swine.
6859

Worms in pigs.
6916

Investigation of the effect of preparation Bayer 9015-12.50W.G. on adult Fasciola hepatica in sheep.
6922

Symptoms of intoxications by poisonous pesticides. (JPRS 46216)
7143

The management of cases of suspected poisoning.
7173

Diagnosis and treatment of poisoning in cats and dogs.
7183

Clinical and laboratory notes on parathion poisoning in fowl, screening availabilities in meat and various tests.
7196

Teratogenic action of carbaryl in beagle dogs.
7202

Ethylene prevents normal photoperiodic response in Chrysanthemum morifolium.
7286

SYNCHYTRIUM ENDOBIOTICUM
Breeding potatoes for resistance to wart and golden nematode.
5828

SYNERGISM
Western pine beetle: Field response to its sex pheromone and a synergistic host terpene, myrcene.
5217

Oxidative metabolism of C14-labeled Baygon by living house flies and by house fly enzyme preparations.
5604

SYNERGISTS
Juvenile hormone: Activity of natural and synthetic synergists.
5238

SYNTHESIS
Cytodifferentiation during insect metamorphosis: The galea of silkmoths.
5399

The breeding of Lytta vesicatoria in the laboratory and demonstration of cantharidin synthesis in larvae.
5468

Mutants at the bobbed locus in Drosophila melanogaster: Relation to ribosomal RNA synthesis.
5706

A study of the synthesis of lysopine from lysine by crown-gall tissues.
5994

Sequence of RNA synthesis in chick fibroblasts infected with Sendai virus.
6503

Tumor localizing agents VI. Radioiodinated analogs of dichlorodiphenyldichloroethane (DDD).
6536

Catabolite repression in Escherichia coli. A study of tow hypotheses.
6732

Effects of aflatoxin B1 on polysomal profiles and RNA synthesis in rat liver.
6793

Effect of DDT and dieldrin on RNA and protein synthesis in subcellular fractions of HeLa S cells.
7097

Enhancement by 2,4-dichlorophenoxyacetic acid of chromatin RNA polymerase in soybean hypocotyl tissue.
7278

Effect of trifluralin on growth, morphology, and nucleic acid synthesis.
7292

The preparation of L- and D-alpha-amino-beta-methylaminopropionic acids and the identification of the compound isolated from Cycas circinalis as the L-isomer.
7311

Synthesis of compounds related to gibberellic acid. Iii. Analogs of ring A of the gibberllins.
7327

Chemical constitution and activity of bipyridylium herbicides- III Pyrazino(1.2.3.4-lmn)1,10-phenanthrolinium dibromide.
7330

(-)-pimaradiene: A new precursor of the gibberellins.
7337

Biosynthesis of gibberellic acid. A correction.
7338

Spiro thiophosphates. Patent 3,445,468.
7367

The chemistry of GS 13005, a new insecticidal phosphoric acid ester.
7368

SYRPHIDAE
Flukea voekerothi, a new genus and new species of Chilean Syrphidae (Diptera).
5027

Oviposition responses by aphidophagous Syrphipae (Diptera).
5260

SYSTEMIC FUNGICIDES
Studies with two systemic fungicides, benlate and thiabendazole.
5962

Control of Armillaria mellea with systemic chemicals.
6018

SYSTEMIC INSECTICIDES
Systemics, a new tool for the home gardener.
5688

Experiments to control acorn weevils with systemic insecticides. dorsey, c k.
6142

Control cotton insects.
6278

Cotton unaffected by systemics and herbicides.
7220

T, 2,4,5-
Weed and brush control for drainage ditches.
6320

Repeated spraying to control southwest Oregon brush species.
6338

Broadleaf weed control in rice.
6370

Alligatorweed found in Arkansas.
6384

Will the use of 2,4,5-T to control streamside vegetation contaminate public water supplies.
7078

Interaction of pesticides with natural organic material.
7081

Penetration of chlorinated phenoxyacetic and benzoic acids into leaves.
7289

TABANIDAE
Horse-flies (Diptera, Tabanidae) collected in the East Hindukush Mountains, Afghanistan.
5010

On ecology and phenology of Heptatoma pellucens F. (Tabanidae, Diptera).
5415

TABANUS RUBIDUS
Life-history and biology of Tabanus rubidus.
5610

TABLES (DATA)
Transmission experiments on the tungro virus in Thailand.
5429

Anthracnose resistance in anthurium.
5866

Results from the International Septoria assortment in 1966.
5876

Phosphorus, potassium, calcium and magnesium requirements of Maryland tobacco grown on Monmouth soil.
5880

Factors affecting infection of balsam fir (Abies balsamea) by Stereum sanguinolentum in Quebec.
5924

Breeding for Septoria and Fusarium resistance in wheat.
5925

Khaira disease of rice and its control.
6028

Investigations on yellow rust in wheat and barley, 1962-1965.
6096

Results of tests of fall colza varieties 1963-1966.
6120

Long distance dispersal of seeds by retention in digestive tract of birds.
6436

S.N.F. content of milk.
6446

Ovine anti-brucellosis serology. Vaccine and infectious antibodies. Serums negative to the seroagglutination of Wright and positive to complement deviation.
6689

Catabolite repression in Escherichia coli. A study of tow hypotheses.
6732

Blood parasites found in imported birds at postmortem examination.
6987

Table of human infections. In: Diseases of man acquired from his pets.
7146

Aflatoxin in the groundnut crop at harvest in Northern Nigeria.
7185

On the behavior of xanthurenic acid in rabbits treated with massive doses of pyridoxine.
7203

The effect of herbicides and cultivation measures on the yield of corn.
7271

The distribution of trace elements in the leaves of the coconut palm, and the effect of trace element injections.
7297

Substituted phenyl-N-methylcarbamates. Cholinesterasis inhibition and insecticidal action.
7382

Log-normal spray drop distribution analyzed by two new computer programs.
7402

TACHINIDAE
A new Chilean species of Opsophagus aldrich, 1926, (Diptera, Tachinidae).
5008

Record of a Tachinid parasite, Alsomyia anomala Villen, Sesamia inferens Wlk.. 5400

TAENIA
The guilty fox. 6977

TAENIA HYDATIGENA
Morphologic and histochemical studies on the nervous system of tapeworms revealed by the cholinesterase method (Taenia hydatigena, Dipylidium caninum and Moniezia expansa). 6963

TAENIOTHRIPS
Preliminary note on a review of subgenus Taeniothrips (Isochaetothrips) (Thysanoptera: Thripidae). 5139

TAHYNA VIRUS
Experimental infection of the bat Myotis myotis Borkhausen with the Tahyna virus. 6674

TAKE-ALL
An aerial view of take-all. 5863

Notes on the appearance in France of Ophiobolus graminis, avenae variety. 5995

TANYDERIDAE
Undescribed species of nematocerous Diptera. IX. 4983

TANYTARSUS LEWISI
Insecticidal operations against chironomid midges along the Blue Nile. 5240

TAPHRINA DEFORMANS
Peach leaf curl. 6006

TARAXACUM
The validity of the separation of Thrips physapus L. and T. hukkineni Priesner (Thysanoptera: Thripidae). 5166

TARSONEMUS
Polarized light observations on striated muscle contraction in a mite. 5198

TAXONOMY
A new kind of Macrosiphoniella (Macrosiponiella Haerelli n. sp.(Aphididae)) of Artemisia rupestris. 5058

A new species of Batyle from Utah (Coleoptera: Cerambycidae). 5082

Parachernes (Arachnida, Chelonethida, Chernetidae) from the coast of North Carolina. 5107

What is Psallus dilutus Fieber 1858 (Hem.,Het.,Miridae. 5165

On a new species of Mirzaiella Basir, 1942 from Gryllotalpa africana. 5302

The classification of strains of Bacillus thuringiensis on the basis of the antigenic patterns of the toxic protein inclusions. 5521

Description and taxonomic position of the DD-136 nematode (Steinernematidae, Rhabditoidea) and its relationship to Neoaplectana carpocapsae Weiser. 5533

An Enterobryus (Trichomycetes, Eccrinales) in a milliped. 5544

Zoological nomenclature in the Jet Age. 5577

On the domestic geese coccidia in the Lithuanian SSR. 6473

Eurycestus avoceti Clark, 1954 (Cestoda, Cyclophyllidaen parasite of the Avocet in Camargue. 6914

Pelecitus ceylonensis n. sp. from the chick and ash-dove experimentally infected with larvae from Mansonia crassipes, and from naturally-infected crows in Ceylon. 6938

Brachylaima degiustii n. sp. from Columba livia in Venezuela. 6980

TAXUS
Control of some pests of evergreens. 6162

TCA
Chemical weed control in tropical root crops. 6352

TDE
Conversion of DDT to DDD in soil and the effect of these compounds on soil microorganisms. 5809

Effect of some pesticides on the adrenal glands in the rat. 6424

Tumor localizing agents VI. Radioiodinated analogs of dichlorodiphenyldichloroethane (DDD). 6536

In vitro degradation of DDT by intestinal contents of Atlantic salmon (Salmo salar). 7096

TDE (or DDD). Proposed reduction of tolerances for residues in or on raw agricultural commodities. 7120

Pesticide residues - USDA'S position. 7139

Conversion of DDT to DDD by pathogenic and saprophytic bacteria associated with plants. 7254

TEA
The question of resistance to pesticides. 5207

The distribution and host-range of the Shot-hole Borer (Xyleborus fornicatus Eichh.) of tea. 5278

A new chemical for control of scarlet and pink mite. 5484

TEETH
Fluorosis in cattle and sheep, observed around industrial plants in Bulgaria. 7205

TEMPERATURE
Locomotory responses to temperature in the grain weevil, Sitophilus granarius (L.) (Coleoptera: Curculionidae). 5210

Effects of temperature on Drosophila--V. Weight and water, protein and RNA content. 5247

Temperature effects on the toxicity of five insecticides against five species of stored-product insects. 5384

Investigations concerning resistance to cold of Araneus cornutus (Araneidae). 5409

An octosporosis of the black blowfly Phormia regina: Effect of temperature on the longevity of diseased adults. 5419

The influence of light and temperature variations on the behavior and fecundity of the larch-bud moth Zeiraphera diniana (Gn.) (Lepidoptera: Tortricidae). 5467

The relation between temperature and lethal action of carbaryl on adults on the housefly and the oriental housefly (Diptera: Muscidae). 5490

Temperature and termination of diapause in Epicauta gorhami Marseul (Coleoptera, Meloidae), with particular reference to the mechanism of contemporaneous emergence. 5491

Flight activity of honeybees in a flight and rearing room. II. The influence of constant and cycling temperatures. 5496

An apparent discontinuity in the relation between temperature and the respiratory rate of tsetse pupae. (Glossina morsitans). 5543

Influence of temperature on the rate of development of six varieties of the Bacillus cereus group. 5615

Report of the Suffolk County Mosquito Control Commission. 5633

Sterilizing effect of high temperature on the male silkworm, Bombyx mori L. (Lepidoptera: Bombycidae). 5634

Seasonal distribution, sex ratios, and mating of female noctuid moths in blacklight trapping studies. 5655

Ecological studies on aphids. I. On the temperature relations of the Virginoparae (Aliencolae) of Myzus persicae at constant temperatures on Swedes. 5675

Determining suitable wintering and hatching regimes of the eggs of the silk worm (Bombyx mori L.). 5687

Environmental and genetic variations of wing size, cell size and cell division rate, in Drosophila melanogaster. 5700

Genetic and environmental control of melanotic tumors in Drosophila. 5719

Temperature-sensitive mutations in Drosophila melanogaster, III. Dominant lethals and semilethals on chromosome 2. 5740

Selection and temperature effects on extra dorsocentral bristles in Drosophila melanogaster. 5744

Modification of gamma ray mutagenic action by temperature shock. 5790

Comparative behavior of the oospores and oogonia of Phytophthora citricola during germination on an artificial medium. 5798

Effect of the low temperature treatment of the wet culture Aspergillus oryzae 8F1 and germinated seed on the increase of the fermentation activity. 5848

It takes more than tender, loving care to prevent blackspot. 5870

Apple scab, pecan scab, and the duration of leaf wetness. 5878

Controlling insects and diseases on trees. 5897

Factors affecting infection of balsam fir (Abies balsamea) by Stereum sanguinolentum in Quebec. 5924

Crown gall: Effect of temperature on tumorigenesis in pea seedlings. 5988

Studies on the natural accumulation of loose smut infection on wheat - Ustilago tritici (Pers.) Jensen. 6020

Effect of climatic factors on the susceptibility of insects to insecticdes. 6251

Survival of ascarid eggs in soil under conditions of Moscow region. 6295

Injury to Heterodera tabacum by high soil temperatures. 6299

The conditions for occurrence of potato root eelworm (Heterodera rostochiensis Woll.) in Poland.
6302

The effect of mastitis on the freezing-point of cows' milk. king, j o l.
6451

Experimental leptospirosis. III. Leptospirosis in dogs. Experimental reproduction of the sickness.
6508

Some observations of hypomagnesemic tetany in cattle.
6606

Toxoplasma gondii: Transmission through feces in absence of Toxocara cati eggs.
6811

Relation of infection to tissue temperature in mice infected with Mycobacterium marinum and Mycobacterium leprae.
6813

Temperature response in animals infected with Bacillus anthracis.
6860

Effect of differences in ambient temperature upon the fate of Pasteurella pestis in Xenopsylla cheopis.
6894

The effects of low temperature on the sporulation and survival of oocysts of Eimeria perforans, media, magna and irresidua.
6944

The introduction of Nematodirus battus (Crofton and Thomas, 1951) into a new environment.
6951

Radiobiological damage: A new class identified in barley seeds stored after irradiation.
7022

Survival of encysted larvae of Trichinella spiralis: Effect of exposure to 0 F, using precooled and fresh ground pork.
7039

Interaction of salt, pH, and temperature on the growth and survival of Salmonellae in ground pork.
7047

Investigations into the source of bacterial contamination of pork. II. In steaming.
7054

Low temperature growth of type E Clostridium botulinum spores. 1. Effects of sodium chloride, sodium nitrite and pH. 2. Effects of solutes and incubation temperature.
7055

Water pollution and agriculture.
7075

DDT. Sublethal effects on brook trout nervous system.
7087

Retention and vooatilization of lindane and DDT in presence of organic colloids isolated from soils and leonardite.
7129

Reduction in aflatoxin contamination of rice by milling procedures.
7200

Growth characteristics and herbicide susceptibility of Texas Panicum.
7232

Effect of the moisture content and post-irradiation temperature on the radiosensitivity of wheat and barley seeds.
7239

The effect of some treatment conditions on the radiomimetic activity of 1-methyl-3-nitro-1-nitrosoguanidine in plants.
7258

Flavone composition, flowering, and hypersensitivity to virus in vegetables.
7281

Ethylene prevents normal photoperiodic response in Chrysanthemum morifolium.
7286

TENEBRIO MOLITOR

New possibilities of pest control in mills and flour storages by DDVP chemicals.
7035

TENEBRIONIDAE

Beetle finds in the South Ticino, July 1964.
5043

A new species of Tribolium from North America previously confused with Tribolium madens (Charp.) (Coleoptera: Tenebrionidae).
5055

Pongamia cake can control tobacco beetle.
6201

Fumigate stored rice to reduce loss to insects.
7030

TENEBROIDES MAURITANICUS

New possibilities of pest control in mills and flour storages by DDVP chemicals.
7035

TENSION

Activation of the myofibrillar ATPASE activity by extension of glycerolextracted insect fibrillar muscle.
5571

TENTHREDINIDAE

Reassignment of the Ambigua group of Pristiphora to a new genus, Sharliphora (Hymenoptera: Tenthredinidae).
5172

Notes on some Nematinae from Czechoslovakia (Hym., Tenthredinidae).
5218

TEPA

Effect of certain alkylating and non-alkylating chemosterilants on Culex fatigans Weid.
5342

Studies on control of house flies in Egypt by chemosterilants. I. Laboratory studies on Musca domestica vicina.
5346

Chemosterilization of the two-spotted spider mite. I. Effect of chemosterilants on the biology of the mite. II. Histopathological effect of apholate and 5-fluorouracil on the reproductive organs.
5390

Chemosterilization of the two-spotted spider mite. IV. Effect on population.
5391

Chemosterilization of the two-spotted spider mite. III. Effect on host plant.
7252

TEPHRITIDAE

Final report, studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan. June 1961 - June 1969. Part II. Fruit flies.
5324

TERBACIL

Selective control of hoary alyssum in alfalfa.
6355

TEREDO

Estimation of marine-borer attack on wooden surfaces.
7046

TERMITES

Note on the deportment particularly towards the dead in Coptotermes intermedius Silvestri (Isoptere Rhinotermitidae).
5569

Natural durability of some woods used in Hawaii; preliminary findings.
5843

TERPENES

Research on the reactions of Ips sexdentatus Boerner to terpenic fumes of several conifers.
5262

TESTES

Roeckl granuloma with an excessively testicular localization.
6571

Propagation of swine-fever virus in cell culture.
6655

A mycoplasma associated with ovine orchitis.
6714

Testicle hypoplasia in a boar of the Gottinger miniature swine breed.
6792

TESTING

Report on experiments with varieties of medium early to late potatoes for human consumption and industrial use 1964-1966 (series 46).
5806

Results from the International Septoria assortment in 1966.
5876

The possibility of estimating loose smut in a seed lot of barley with regard to the increase from one generation to the next.
5934

Investigations on yellow rust in wheat and barley, 1962-1965.
6096

Some aspects of Fusarium infection of wheat seeds.
6107

Experiments on the use of new chemicals in weed control in maize.
6367

Reduction in or elimination of cultural practices in potato cultures following the application of herbicides.
6394

Enhanced metabolism of methyprylon, meprobamate, and chlordiazepoxide hydrochloride after chronic feeding of a low dietary level of DDT to male and female rats.
7152

Clinical and laboratory notes on parathion poisoning in fowl, screening availabilities in meat and various tests.
7196

The effect of the application of herbicides in the control of weeds in corn fields.
7272

Testing of fungicides as to their effectiveness against Botrytis cinerea with the aid of a grape juice test.
7320

The permeability of protective clothing and packing materials in regard to insecticidal phosphoric acid derivatives.
7339

Substituted phenyl-N-methylcarbamates. Cholinesterasis inhibition and insecticidal action.
7382

TESTOSTERONE

Effects of Salmonella senftenberg injection on chicks hatched from eggs in treatment of testosterone propionate.
6736

The control and treatment of posthitis.
6829

TETRACHLOROETHYLTHIO)-4-CYCLOHEXENE-1,2-DICARBOXIMIDE,

Field biology and control of Phytophthora parasitica on papaya (Carica papaya) in Hawaii.
5967

TETRACHLOROISOPHTHALONITRILE

Botrytis flower spot control in orchids.
6037

Spraying trials against Sclerotinia diseases of plums on flowers and fruits.
6053

TETRACYCLINE

Some characteristics of Staphylococcus aureus isolated from the skin and upper respiratory tract of domesticated and wild (Feral) birds.
6615

Observing the sensitivity of Francisella tularensis to antibiotics in vitro.
6621

Increase in resistance to antibiotics in mastitis agents.
7213

TETRADIFON

Genetics of resistance to tedion in Tetranychus urticae C. L. Koch.
5731

TETRAMETHYLENE BIS(1-AZIRIDINECARBOXAMIDE), N,N'
Chemosterilization of screw-worm flies, Cochliomyia hominivorax (Coquerel) (Diptera: Calliphoridae): Influence of age at treatment and mating, effect on survival, and transfer of chemosterilant by contamination. 5275

TETRAMISOLE
The biochemical mechanism of action of the anthelmintic drug tetramisole. 6918
Critical and controlled laboratory trials in sheep with tetramisole. 6950
Efficacy of tetramisole on nematode infections of dogs. 6981

TETRANYCHIDAE
New Tetranychidae of Madagascar. 5054
Inflated plastic bags as cages for insects on potted plants. 5212

TETRANYCHUS ATLANTICUS
Control of insects on alfalfa and red clover. 6185

TETRANYCHUS MCDANIELI
Integrated control of fruit tree pests. Orchard mites. Orchard insects. 5292

TETRANYCHUS TELARIUS
Studies on the strawberry mite (Tetranychus telarius (L). 6161

TETRANYCHUS TUMIDUS
Effects of dimethyl sulfoxide on the biological activity of selected miticides and insecticides. 7280

TETRANYCHUS URTICAE
Chemosterilization of the two-spotted spider mite. I. Effect of chemosterilants on the biology of the mite. II. Histopathological effect of apholate and 5-fluorouracil on the reproductive organs. 5390
Chemosterilization of the two-spotted spider mite. IV. Effect on population. 5391
Biosystematics of Phytosciulus persimilis AthiasHenriot (Acarina: Phytosciidae). 5407
Life history and life table of Tetranychus urticae Koch. 5428
A tactile seta of the Two-spotted Spider Mite, Tetranychus urticae K. (Acarina: Tetranychidae). 5460
Insecticidal and acaricidal effect of some binary mixtures. 5627
Genetics of resistance to tedion in Tetranychus urticae C. L. Koch. 5731
Chemosterilization of the two-spotted spider mite. III. Effect on host plant. 7252

TETRASUL
The red currant gall mite can be controlled by spraying. 6268

TETRAZOLIUM
A tetrazolium reduction test to evaluate the viability of strain 19 vaccines. 6831

TETTIGONIIDAE
Annual pest control programs for Central California. 6260

TETYLENCHUS JOCTUS
Morphological variant of Tetylenchus joctus Thorne (Nemata: Tylenchida) associated with cultivated blueberries in Indiana. 6289

TEXTILES
Zirconium compounds as algaecides. Patent 3,446,656. 7336

THALLIUM
Thallium poisoning in dogs. 6884

THEILERIA PARVA
Immunization against East Coast Fever using tick infections and chlortetracycline. 6643

THEILERIASIS
Immunization against East Coast Fever using tick infections and chlortetracycline. 6643

THELAZIA
Clinical observations and studies regarding the etiology of enzootically occurring bovine keratoconjunctivitis, with particular consideration of Thelazia. 6992
Observations on the occurrence of Thelazia or eyeworm infection of cattle in Northern New South Wales. 7010

THERAPEUTICS
Magnetic probes in prophylaxis and therapy of traumatic reticuloperitonitis in cattle. 6514
Studies on the method of experimental infection of Vibrio parahaemolyticus. I. Infection of Vibrio parahaemolyticus into intestinal segments of rabbits. II. Influence of chemotherapeutic agents on intestinal segments of rabbit infected with Vibrio parahaemolyticus. 6617
Treatment of anoestrus in dairy cattle. 6624
An enzooty of strangles caused by virus A2 equi Miami 63 in the region of Lyon. 6656
Pathogenetic therapeutics in cases of cow mastitis. 6697
Specific activation of the properdin system in orientation experiments for a therapeutic control of bovine leukosis. 6727
The saftey evaluation of pet products. 7204

THERMOBIA DOMESTICA
The growth and activity of the corpora allata in the larval firebrat, Thermobia domestica (Packard) (Thysanura, Lepismatidae). 5669
Thermobia domestica (Packard 1873). 5673

THERMOTHERAPY
Hot-water treatment of seed as a method for decreasing the incidence of certain cotton and flax seedling diseases. 5857

THIAMINE
Polioencephalomalacia: Response to thiamine treatment in sheep and a cow. 6539
Polioencephalomalacia: Response to thiamine treatment in sheep and a cow. 6867
The influence of indole-3-acetic acid and vitamin B1 on the growth and yields of sunflower plants. 7261

THIAZOLYL)-BENZIMIDAZOLE, (2-(4-
Effects of gastrointestinal nematode parasites on performance in feedlot cattle. 6912

THIAZOLYL)-BENZIMIDIZOLE, 2-(4-
New developments in the treatment of bananas before packing. 5902
Studies with two systemic fungicides, benlate and thiabendazole. 5962
Spraying trials against Sclerotinia diseases of plums on flowers and fruits. 6053
Effect of thiabendazole on ovine posthitis. 6827
Effect of paddock size, stocking rate, anthelmintics, and trace elements on the weight gain of young cattle. 6828
Bovine Ostertagia infection. Bibliography organized around the disease, its treatment, and its prevention. 6997
A comparative study of the activities of 2,6-diiodopara-nitrophenol (Disophenol) and 2-para-thiazolylbenzimidazole (Thiabendazole) as anthelmenthic for sheep. 6999
Further experiments on the treatment of Strongyloides infestation of horses with thiabendazole. 7011
Anthelmintic treatment of sows with thiabendazole. 7015
Comparative susceptibility of Aspergillus towards various fungicides and antiseptics. 7226

THIBENZOLE
Study indicates most dairy cattle have worms. 6913

THIELAVIOPSIS BASICOLA
Strains of the fungus Thielaviopsis basicola (Berk. et Br.) Ferr. isolated from the roots of blue lupin (Lupinus 5976
Effects of fungicide drenches on established poinsettia plants. 7267

THIOCARBAMATES
Fungistatic and fungicidal effects of certain organic products on some fungi causing diseases in vegetables. 5899
Dogwood diseases. 5944
Field biology and control of Phytophthora parasitica on papaya (Carica papaya) in Hawaii. 5967
Lemon scab (Sphaceloma fawcettii scabiosa). 6029
Investigations on chemical control of zebra disease in Agave hybrid no. 11648. 6036
Tomato leaf mould: Its assessment and effects on yield. 6089
Use of herbicides in coffee nurseries with full exposure to sun. 6324
Weeds in barley and their control. 6381
Economic poisons containing certain pesticide chemicals for certain uses. Cancellation of registration. 7170

THIOGLYCOLIC ACIDS
Method of killing pests by application of an O,Odiloweralkyl phosphorodithioyl methyl-substituted mercaptoacetate. Patent 3,433,870. 5345

THIOLS
Olfactory response of larvae of the onion maggot, thylemya antiqua Meigen (Diptera: Anthomyiidae) to organic sulfur compounds. 5458
Method for deodorizing O,O-dialkyl S-(alkylthio)alkyl phosphorodithioates. Patent 3,439,071. 7357

THOMISIDAE
The Imbecillus and Rufus groups of the spider genus Philodromus in North America. (Araneida: Thomisidae). 5020

THORAX
Effect of the age of pollen used in pollen supplements on their nutritive value for the honeybee.

I. Effect on thoracic weight, development of hypopharyngeal glands, and brood rearing. 5348

THOROUGHBRED HORSES
The influence of streptococci on the genitals and fertility of thoroughbred mares. 6804

THRIPIDAE
The validity of the separation of Thrips physapus L. and T. hukkineni Priesner (Thysanoptera: Thripidae). 5166
Annual pest control programs for Central California. 6260

THRIPS HUKKINENI
The validity of the separation of Thrips physapus L. and T. hukkineni Priesner (Thysanoptera: Thripidae). 5166

THRIPS PHYSAPUS
The validity of the separation of Thrips physapus L. and T. hukkineni Priesner (Thysanoptera: Thripidae). 5166

THUJA
Bagworm. 5662
Control of some pests of evergreens. 6162

THYMELICUS LINEOLA
How do native insect parasites behave in relation to imported insect hosts, alien to the native fauna . 5695

THYMIDINE
Incorporation of tritiated thymidine into the ovarian DNA of stable flies: Effects of treatment with apholate. 5259

THYMIDINE, H-3-,
Thymidine teratogenesis and mutagenesis in Drosophila melanogaster. 5732

THYRIDOPTERYX EPHEMERAEFORMIS
Bagworm. 5662

THYROID GLAND
Effect of aminotriazole on thyroid function in the rat. 7164

THYSANOPTERA
New Thysanoptera from central Asia (U. S. S. R.). 5118
Two new species of Oedaleothrips (Thysanoptera) from Asia. 5119
On the multiple effects of oedymerism in the males of Nesothrips falcatus Ananthakrishnan. 5190
Early season insects no problem for B. A. Jordan. 5196
Control cotton insects . 6278

THYSANURA
Thermobia domestica (Packard 1873). 5673

TILLAGE
Effect of cultivation on emergence of eye gnats (Hippelates spp.) in South Carolina. 5320
Specialist advice on groundnuts. 5776
Soya beans - specialist advice. 5777
Practical soil biology. 5786
Production of maize in tobacco areas. 5821
Description, damage and control of the southwestern corn borer. 6188
Indications on plant care for olive crop cultivation. 6192
Problems of herbicide treatments in the potato crop. 6327
Herbicide versus cultivation for corn with two methods of seedbed preparation. 6343
Weed control in California vineyards. 6358
Weed control in nursery sod. 6371
Influence of agrotechnical and chemical treatments on the changeableness of field plant associations. 6389
Reduction in or elimination of cultural practices in potato cultures following the application of herbicides. 6394
Experimental husbandry farm experience with herbicides and tillage systems for cereal growing. 6399
A sub-surface applicator for herbicides. 7399

TILLAGE EQUIPMENT
Weed control in corn. 6333

TILLAM
A sub-surface applicator for herbicides. 7399

TILLETIA CARIES
Applicability of mildew-infested wheat to feeding.- Short communication. 7214

TIME
Temperature and termination of diapause in Epicauta gorhami Marseul (Coleoptera, Meloidae), with particular reference to the mechanism of contemporaneous emergence. 5491
Virus enhancement with a growth product of Streptomyces scabies. I. Production and properties of scaben. 5810
Forest disease control in California; July 1, 1966 to June 30, 1967. aSB761.A3. 6117
Timing insecticide applications for European corn borer control in Southwestern Quebec, 1967. 6194
Long distance dispersal of seeds by retention in digestive tract of birds. 6436
Ovarian cycle in cows with irregular estrus cycles. 6644

TINEIDAE
A new tineid from Africa: Tinea roesleri n. sp. (Lep.). 5047

TINEOLA BISSELLIELLA
Co-resistance and resistance inheritance in a dieldrin resistant laboratory stock of the clothes moth (Tineola bisselliella (Hum.), Lep.). 5423

TINGIDAE
A new tingid from Pakistan (Hemiptera). 5021
Immature stages of Elasmotropis testacea (H. - S.) and notes on the bionomics of the species (Heteroptera, Tingidae). 5632
Lace bugs. 5661

TIPULA IRIDESCENT VIRUS
Development of virus antigen in tissues of Pieris brassicae inoculated with Tipula iridescent virus. 5534

TIPULIDAE
A re-assessment of the genera Holorusia Loew (0Ctenacroscelis Enderlein), Ischnotoma Skuse and Zelandotipula Alexander (Diptera: Tipulidae), with notes on their phylogeny and zoogeography. 5161
The leatherjacket risk grows. 5447

TISSUE CULTURE
Structure and development of vesicles in larval tissue culture of Aedes aegypti (L.). 5227
The in vitro pathogenesis of insect viroses. 5307
In vivo and in vitro cytological diagnosis of densonucleosis in Lepidoptera. 5469
Biochemical aspects of juvenile hormone action in the adult Locusta migratoria. 5474
Development of virus antigen in tissues of Pieris brassicae inoculated with Tipula iridescent virus. 5534
Maintenance of imaginal discs of Drosophila melanogaster in chemically defined media. 5563
Growth of cells derived from Culiseta inornata and Aedes vexans in tissue culture. A preliminary note. 5638
Virus enhancement with a growth product of Streptomyces scabies. I. Production and properties of scaben. 5810
Virus enhancement with a growth product of Streptomyces scabies. II. Increased release of coxsackievirus B5 from hEp-2 monolayers treated with scaben. 5811
The expression of R-gene resistance to Phytophthora infestans in tissue cultures of Solanum tuberosum. 5969
Research on the associated culture of viruses and vegetable tissues. 6049
Potato spindle tuber virus: A plant virus with properties of a free nucleic acid. I. Assay, extraction, and concentration. II. Characterization and partial purification. 6051
Competitive saprophytic ability and inoculum potential of cotton root-infecting fungi in five soils. 6062
Gnotobiotic culture and its significance to plant nematology. 6309
Studies on an ocular infectious laryngotracheitis vaccine. 6459
Suitable blood sources permitting reacquisition of infectivity by culture-form Trypanosoma (Trypanozoon) brucei. 6461
Electronmicroscopic, cytochemical and immunochemical study of B. anthracis and B. cereus. 6477
Isolation of equine rhinopneumonitis virus from acute respiratory disease in a horse in Queensland. 6480
Biological assay of virus contents of tissues of rabbits infected with lapinised rinderpest virus. 6485
Investigations on the viruses of the Orphan type occurring in pigs in Poland. VII. Influence of the Orphan virus L1 on the virus of hog cholera in swine kidney cell cultures. 6501
Tumor localizing agents VI. Radioiodi nated analogs of dichlorodiphenyldichloroethane (DDD). 6536

Behavior of equine infectious anemia virus in cell culture and development of a diagnostic test for the disease. 6562

Influence of synthetic insect T. C. medium on the survival of malaria sporozoits in vitro (Plasmodium berghei yoeli and P. cathemerium). 6576

A complement fixation test for the study of avian mycoplasma. 6583

Use of ampicillin instead of streptomycin in Salmonella-infected mouse peritoneal macrophage cultures. 6605

Observing the sensitivity of Franciscella tularensis to antibiotics in vitro. 6621

Comparative studies on blood-stream and culture forms of Trypanosoma lewisi--I. Oxygen utilization, carbon dioxide production and glucose uptake. 6625

The experience with the indirect immunofluorescence application to the rabies virus identification. 6632

Central-nervous-system lesions of spontaneous Pasteurella anatipestifer infection in ducklings. 6654

Propagation of swine-fever virus in cell culture. 6655

Reproduction of type 12 adenovirus in HeLa culture cells. 6659

Attempts to induce recombinant somatic cells in chicken erythrocyte chimaeras by repeated injection of western equine encephalomyelitis virus. 6660

Control of Marek's disease by the use of inoculated chicken embryo fibroblasts. 6677

The detection of the ECPO virus antigen in tissue culture with the aid of fluorescent antibodies. 6681

A formalinized and adjuvanted rabies vaccine of tissue culture origin. 6683

Transformation of chick fibroblast cultures with avian myeloblastosis virus. 6731

A comparative study of morphologic changes within Hep-2 culture cells inoculated with various adenovirus serotypes. 6744

Establishment and characterization of a feline neurofibrosarcoma (FNFS) cell line. 6746

Action of Bayer preparation A 139 on rabies virus. 6785

Effect of cytostatics on the replication of vaccinia, pseudo-rabies and sindbis viruses and on the interferon production by tissue culture cells. 6791

Synthesis of radioactive Trichinella spiralis larval antigen in vitro. 6799

Herpesvirus in Marek's disease tumors. 6800

Egg transmission studies of Type II leukosis infection (Marek's disease). 6809

Avirulent mutant of Aujeszky's virus, induced by 5-iodo-2-deoxiuridine (IUDR). 6838

Pathomorphological studies on rabbits and guinea-pigs experimentally infected with the virus of Aujeszky's disease. 6854

An autoradiographic and immunofluorescent study of the infectious cycle of sheeppox virus in cell cultures exposed to 5-fluorodeoxyuridine. 6855

Biochemical and biophysical characteristics of vesicular exanthema virus and the viral ribonucleic acid. 6864

Cell culture techniques for primary isolation of Marek's disease-associated herpesvirus. 6872

Evidence for a herpesvirus as an etiologic agent of Marek's disease. 6873

Multiplication and differentiation of Trypanosoma cruzi in an insect cell culture system. 6875

Metabolic fate of histidine in the parasitic worm Fasciola hepatica L.. 6965

Standard techniques for larval discovery in microascaridic infection by Toxocara canis (Werner, 1782) in the white mouse; observations on the larval migrations and burdens in the experimental infections conferred through oral, intraperitoneal and subcutaneous route. 6969

TISSUE EXTRACTS

Study of the synthesis of lysopine by tissue extracts of crown-gall in vitro. 5993

TISSUE TRANSPLANTS

The effects of implantations of corpora allata on reproduction of collected females of Schistocerca gregaria (Forsk.) and on the polymorphism of their progeny. 5255

Studies of house flies. I. Breeding of Musca sorbens, Wied.. 5282

The growth and activity of the corpora allata in the larval firebrat, Thermobia domestica (Packard) (Thysanura, Lepismatidae). 5669

TISSUES

Flea Ctenophthalmus: Heterogeneous hexagonally organized layer in the midgut. 5558

Changes in the content of fixed amino acids in tissues of silk worm during development. 5592

Relation of infection to tissue temperature in mice infected with Mycobacterium marinum and Mycobacterium leprae. 6813

Enhancement by 2,4-dichlorophenoxyacetic acid of chromatin RNA polymerase in soybean hypocotyl tissue. 7278

TOBACCO

Tobacco insect control. 5315

Cotton as a supplement to tobacco. 5807

Production of maize in tobacco areas. 5821

An X-ray diffraction study of a tobacco mosiac virus mutant. 5861

Phosphorus, potassium, calcium and magnesium requirements of Maryland tobacco grown on Monmouth soil. 5880

Effect of 6-azauracil on infection with tobacco mosaic virus. 5914

The respiratory pathways of tobacco leaves infected with potato virus x. 5918

Respiration of tobacco leaves infected with different strains of potato virus X. 5919

A D serotype of satellite virus specifically associated with a D serotype of tobacco necrosis virus. 5949

Progress through research- blue mould of tobacco. 5960

Strains of the fungus Thielaviopsis basicola (Berk. et Br.) Ferr. isolated from the roots of blue lupin (Lupinus 5976

Injured cells required for the initiation of plant virus infections. 5983

A study of the synthesis of lysopine from lysine by crown-gall tissues. 5994

Studies on an Italian isolate of the tobacco necrosis virus. 6003

Serological differentiation of Pythium aphanidermatum from Phytophthora parasitica var. nicotianae and Ph. parasitica. 6021

Effects of kinetin and actinomycin D on the susceptibility of Nicotiana glutinosa L. to infection by tobacco mosaic virus. 6022

Some observations on tobacco yellow dwarf control. 6033

Evidence for the presence of the Ohio strain III of tobacco mosaic virus in tomato in The Netherlands. 6045

The effect of TMV on the Hill reaction in chloroplasts from various tobacco species with different resistance. 6060

Assembly of protein and nucleoprotein particles from extracted tobacco rattle virus protein and RNA. 6074

Pongamia cake can control tobacco beetle. 6201

Insecticide recommendtions for tobacco fields, 1969. 6203

Races of Pratylenchus penetrans, and their effect on black root rot resistance of tobacco. 6300

A nematode survey of tobacco soils in Rhodesia and Zambia, and the effects of grass-tobacco rotations on nematode populations. 6303

Tropical nematology. 6305

Chemical soil treatment for nematode control in tobacco. 6307

Tests prove diphenamid effective as herbicide. 6316

The effect of three fumigants on natural weed infestation in a tobacco seed bed. 6337

Translocation of diazinon from planting water by cabbage and tobacco seedlings. 7122

Pesticide residues - USDA'S position. 7139

Tobacco stalk and root destruction with herbicides and their effect on tobacco mosaic virus. 7249

Trials of obtaining artifical tobacco poliploids. 7319

A sub-surface applicator for herbicides. 7399

TOBACCO MOSAIC VIRUS

Phosphate distribution in healthy and TMV infected tomato plants. 6052

Cell-free synthesis of tobacco mosaic virus coat protein and its combination with ribonucleic acid to yield tobacco mosaic virus. 6073

Reaction of nitrosoguanidine (N-methyl-N'-nitro-N-nitrosoguanidine) with tobacco mosaic virus and its RNA. 6081

A rapid colorimetric method for the determination of tobacco mosaic virus concentration in plant saps.
6119

Tobacco stalk and root destruction with herbicides and their effect on tobacco mosaic virus.
7249

TOLERANCES

Tolerance and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Simazine.
7115

Borax and boric acid. Proposed establishment of pesticide tolerance.
7116

Calcium oxytetracycline. Notice of extension of temporary tolerance.
7117

TDE (or DDD). Proposed reduction of tolerances for residues in or on raw agricultural commodities.
7120

Pesticide residues.
7135

Tolerance of sheep to parenterally administered iqdo-3 hydroxy nitbo-5 benzonitril.
7168

Economic poisons containing certain pesticide chemicals for certain uses. Cancellation of registration.
7170

Use of antibiotics in animals.
7181

Permissible levels of occupational exposure to airborne toxic substances. Sixth report of the joint ILO/WHO Committee on Occupational Health.
7216

TOLUIDINE COMPOUNDS

Formation of symmetrical azo derivatives of monochlorotoluidines by peroxidatic catalysis.
7259

TOMATOES

Phoma destructiva, its variability, host range and varietal reaction of tomatoes.
5869

An antiviral principle from tomatoes systemically infected with tobacco mosaic virus.
5887

Possibilities for inter- and intracellular translocation of some icosahedral plant viruses.
5906

Studies on the viruses of plants in Compositae in Japan. I. Tomato aspermy virus from chrysanthemum.
5972

A note on Drechslera rot of tomato.
5981

Serological differentiation of Pythium aphanidermatum from Phytophthora parasitica var. nicotianae and Ph. parasitica.
6021

Evidence for the presence of the Ohio strain III of tobacco mosaic virus in tomato in The Netherlands.
6045

Potato spindle tuber virus: A plant virus with properties of a free nucleic acid. I. Assay, extraction, and concentration. II. Characterization and partial purification.
6051

Phosphate distribution in healthy and TMV infected tomato plants.
6052

A chemotherapeutic treatment for selectively eradicating crown gall and olive knot neoplasms.
6071

Considerations on the resistance of varieties of tomatoes to Fusarium wilt.
6080

Tomato leaf mould: Its assessment and effects on yield.
6089

Additional sources of resistance to bacterial canker of tomato (Corynebacterium michiganense).
6109

Studies on Botrytis cinerea in tomatoes. Effect of soil nitrogen level and of methods of deleafing upon the occurrence of B. cinerea under commercial conditions.
6118

The golden nematode of potatoes and tomatoes.
6283

Enzyme studies in nematode infected root-knots of the tomato plant.
7257

Formation of adventitious roots in tomato seedlings by CCC treatment.
7273

TOOLS

The clearing of underbrush and the destruction of undesireable vegetation in the forest. Inventory of materials and techniques.
5800

TOPOGRAPHY

Ponderosa pine dwarf mistletoe in relation to topography and soils on the Manitou Experimental Forest, Colorado.
5955

TORTRICIDAE

Remarks on some larch-feeding Tortricids (Lepidoptera, Tortricidae).
5179

The photoperiod as a control agent against Adoxophyes reticulana (Lepidoptera; Tortricidae).
5193

The Norwegian species of Dichrorampha Gn. Lep. Tortricidae.
5505

Improvement of the agricultural warning (device) against the cereal gall moth (Cnephasia pumicana Zell., Lep. Tortricidae).
6164

Chemical control of the tea tortrix (Homona coffearia Nietner).
6171

Brinjal leaf roller.
6255

Annual pest control programs for Central California.
6260

Influence of magnesium and zinc fertilizing on the yield, quality as well as health of hops.
7266

TORYMIDAE

Redescription of Sycaphaginae from Ceylon and India, with description of lectotypes, and a world catalogue of the Otitesellini (Hymenoptera, Chalcidoidea, Torymidae).
5169

TOXAPHENE

Controlling the Japanese beetle.
5187

Early season insects no problem for B. A. Jordan.
5196

Response of the striped lynx spider, Oxyopes salticus, to two commonly used pesticides.
5550

Evaluation of acaricidal dips for control of Psoroptes ovis on sheep.
6900

TOXICITY

Studies on a series of branched-chain analogs of diethyl malathion and malaoxon with regard to toxicity and in vitro enzymatic reactions. (abstract).
7151

Aflatoxin in the groundnut crop at harvest in Northern Nigeria.
7185

TOXICOLOGY

The toxic action of Bacillus thuringiensis exotoxin on Drosophila reared in yeast-containing and yeast-free media.
5221

Effect of certain alkylating and non-alkylating chemosterilants on Culex fatigans Weid.
5342

Toxicological studies on cutworms. I. Laboratory studies on the toxicity of insecticides to the darksided cutworm.
5357

Temperature effects on the toxicity of five insecticides against five species of stored-product insects.
5384

Insect answers; insecticide toxicity to alfalfa-pollinating bees.
5394

Chlorinated hydrocarbon insecticide inhibition of cockroach and honey bee ATPases.
5414

The relation between temperature and lethal action of carbaryl on adults on the housefly and the oriental housefly (Diptera: Muscidae).
5490

The influence of site application on the toxicity of insecticides in red cotton bug, Dysdercus cingulatus, F.
5549

Heart poisons in the monarch butterfly.
5554

Some effects of Metarrhizium anisopliae and its toxins on mosquito larvae.
5564

Mechanisms of pathogenesis in Sclerotium bataticola on sunflowers. I. Production and translocation of a necrosisinducing toxin.
5890

Locoweed poisoning.
6581

Anticoagulant resistance. (Part 2).
6640

Cassia occidentalis toxicosis in cattle.
6717

Variation in concentration and composition of toxic alkaloids among strains of Phalaris tyberisa L.
6750

Interaction of rubidium and potassium in chick diets.
6797

Advances in cattle ectoparasite control with a discussion of some problems related to treatment with systemic insecticides.
6902

On the use of TEGO 51 in animal food industries--toxicity and bactericidal properties.
7067

Determination of residual bHC and lindane quantities in the soil and plants and investigations on their toxicity.
7091

Toxicity of pesticides to man: Risks from present levels.
7107

Residues of dieldrin (HEOD) in the tissues of experimentally poisoned birds.
7130

Detection and differentiation of pathogenic Clostridia and their toxins.
7144

Manganese toxicity of legumes seeded in Kentucky strip-mine spoils.
7145

Biological methods for determining the toxicity of grain in connection with its infestation with toxigenic microfungi.
7147

Hematological effects of apholate on channel catfish (Ictalurus punctatus).
7156

Synergistic toxicity and carcinogenicity of 'freons' and piperonyl butoxide.
7160

Common poisonous plants in home and grounds.
7161

Purification and properties of in vitro--produced anthrax toxin components. 7162

Tolerance of sheep with regard to a new phosphoric ester: Chlorfenvinphos. 7167

Experimental arsanilic acid poisoning in pigs. 7169

Aversion to strychnine sulfate by Norway rats, roof rats, and pocket gophers. (abstract). 7171

Selected Crotalidae venom properties as a source of taxonomic criteria. 7172

Antifungal action of a phosphate ester pesticide, O-Mchlorophenyl O,O-dimethyl phosphorothioate, used in nutrient media for fungi. (abstract). 7175

Central neurotoxic effects of the venoms of Naja naja and Vipera palestinae. 7179

Phospholipase A in the venom of the Australian bulldog ant Myrmecia pyriformis. 7180

Antigenic relationships of the venom of Atractaspis microlepidota to that of other snakes. 7186

Effects of Echis carinatus venom on tissue and blood histamine and their relations to local tissue reactions and eosinophil changes. 7187

Effect of floxosceles reclusa Gertsch and Mulaik venom against hemocytes of Acheta domesticus (Linnaeus). 7191

Residues in the body fat of steers fed kelthane in their ration. (Abstract). 7192

Pesticide safety: Plain ol' good judgement. 7193

Poisoning on the farm. A report of a case of organophosphorus poisoning. (abstract). 7197

The effect of sex and age on the response to warfarin in a non-inbred strain of mice. 7198

Combined action of DDT with chlorophos and of thiophos with chlorophos. 7206

Nickel toxicity in young growing mice. 7212

Applicability of mildew-infested wheat to feeding.- Short communication. 7214

Permissible levels of occupational exposure to airborne toxic substances. Sixth report of the joint ILO/WHO Committee on Occupational Health. 7216

On the mechanism of chloride toxicity. 7243

On the toxicology of Pyrethrum to warm blooded animals. 7384

TOXINS

Inhibition of DNA-DEPENDENT RNA polymerase by the exotoxin of Bacillus thuringiensis var. gelechiae. 5597

Mechanisms of pathogenesis in Sclerotium bataticola on sunflowers. 1. Production and translocation of a necrosisinducing toxin. 5890

Ergot disease of bajra--its symptoms and control. 6100

Relation between DDT in diets of laying birds and viability of their eggs. 6431

Contribution to the problems of toxic action of Ascaridia galli on laboratory animals. 6917

Production of enterotoxin-B in cured meats. genigeorgis, c. 7063

Detection and differentiation of pathogenic Clostridia and their toxins. 7144

Purification and properties of in vitro--produced anthrax toxin components. 7162

Trolene toxicity for bed bugs. 7165

Effect of carbaryl on the neuroendocrine system of rats. 7201

Novel substituted 1,2,4-triazoles(4H). Patent 3,444,162. 7352

TOXOCARA CANIS

Standard techniques for larval discovery in microascaridic infection by Toxocara canis (Werner, 1782) in the white mouse; observations on the larval migrations and burdens in the experimental infections conferred through oral, intraperitoneal and subcutaneous route. 6969

Efficacy of tetramisole on nematode infections of dogs. 6981

TOXOCARA CATI

Toxoplasma gondii: Fecal forms separated from eggs of the nematode Toxocara cati. 6582

Toxoplasma gondii: Transmission through feces in absence of Toxocara cati eggs. 6811

TOXOPLASMA GONDII

Toxoplasma gondii: Fecal forms separated from eggs of the nematode Toxocara cati. 6582

TOXOPLASMOSIS

Toxoplasma gondii: Fecal forms separated from eggs of the nematode Toxocara cati. 6582

Toxoplasma gondii: Transmission through feces in absence of Toxocara cati eggs. 6811

TOXOPTERA AURANTII

Contribution to the study of the population dynamics of the plant louse Toxoptera autantii (Boyer) on lemon trees (Citrus limon Burm). 5674

TRACHYSPHYRUS

A new species of Trachysphyrus from the Andes of Ecuador (Hymenoptera, Ichneumonidae). 5124

TRACTORS

Applying insecticides to cotton crops. 4971

TRANQUILIZERS

Enhanced metabolism of methyprylon, meprobamate, and chlordiazepoxide hydrochloride after chronic feeding of a low dietary level of DDT to male and female rats. 7152

TRANSLOCATION

Mechanisms of pathogenesis in Sclerotium bataticola on sunflowers. 1. Production and translocation of a necrosisinducing toxin. 5890

TRANSMISSIBLE GASTROENTERITIS

TGE prevention your goal. 6845

TRANSPLANTING

Some observations on tobacco yellow dwarf control. 6033

TRAPS

The muskrat in Loire-Atlantique. 6410

TREE CONTROL

The clearing of underbrush and the destruction of undesireable vegetation in the forest. Inventory of materials and techniques. 5800

TREE DISEASES

Report on forest research for the year ended March 1968. 5845

Dwarfmistletoe effects on ponderosa pine growth and trunk form. 5892

Forest disease control in California; July 1, 1966 to June 30, 1967. aSB761.A3. 6117

TREE INJURIES

Infestation rate and damage by the Nantucket pine tip moth in six loblolly pine stand categories. 6156

Concerning a mass population increase of the false pine webworm, Acantholyda erythrocephala Chr. in Steinfeld, Lower austria, in the years 1964-1967. Preliminary communication. 6196

Abnormal ray tissue in three true firs infested by the balsam woolly aphid. 6226

TREE PLANTING

Influence of soil and site on red pine (Pinus resinosa Ait.) plantations in New York. II. Soil type and physical properties. 7240

TREES

Southern tree chapter briefed on borer control. 5459

Bagworm. 5662

Controlling insects and diseases on trees. 5897

Infection, recovery from infection and resistance of apricot trees to Verticillium albo-atrum. 6105

San Jose scale (Quadraspidiotus perniciosus). 6199

Maryland arborists discuss insect control. 6221

Bark beetles. 6273

Results of herbicide tests carried out in 1966 by the Vegetable Protection Service. 6326

Effect of the triazine herbicides simazine and atrazine upon young plum trees. 7260

TREHALOSE

Trehalose regulation of gucose-6-phosphate hydrolysis in blowfly extracts. 5317

TREMATODA

Brachylaima degiustii n. sp. from Columba livia in Venezuela. 6980

Ectoparasites and helminth endoparasites of the tree squirrels of southwest Tennessee. 6982

Complex investigation of the functional state of the liver in the course of experimental flukeworm disease in sheep. 6989

On the biology of Apatemon gracilis (Rud., 1819), a trematode parasitizing in domestic and wild ducks. 6994

The numbers and dynamics of eggs produced by a trematode Apatemon gracilis (Yamaguti, 1933) in relation to the age of a host and post-infection immunity. 6995

A survey of parasites in laboratory primates. 6998

Adults of Eumegacetes artamii from white leghorn pullets infected with the metacercariae from two dragonflies. 7009

TREMATODIASIS

A damsel-fly as the second intermediate host of a pleurogenetine trematode. 5488

TRIATOMA
A comparative electrophoresis study of the Triatoma rubida Complex (Hemiptera: Reduviidae: Triatominae). 5181

TRIATOMA DIMIDIATA
Vapona for the control of museum pests. 5576

TRIATOMA INFESTANS
The induction of NAD kinase by DDT in Triatoma infestans. 5182
Some properties of the microsomal system metabolizing DDT in Triatoma infestans. 5183
Survival of western equine encephalitis virus in Triatominae. 5761

TRIATOMINAE
Ecological observations on three species of Pimeliaphilus parasites of triatominae in the United States (Acarina: Pterygosomidae) (Hemiptera: Reduviidae). 5192

TRIAZINE
Precision placement of herbicides for weed control in seedling alfalfa. 6359
A comparison of new techniques for the detection and determination of triazine herbicides separated by thin-layer chromatography. III. Fluorescence quenching. 7343

TRIAZINE HERBICIDES
Effect of the triazine herbicides simazine and atrazine upon young plum trees. 7260
The influence of increasing doses of simazine upon the rate of root and green parts growth of winter wheat. 7306

TRIAZINE-3,5(2H,4H)-DIONE, 6-AS
Effect of 6-azauracil against apple powdery mildew and apple scab. 5909
Effect of 6-azauracil on infection with tobacco mosaic virus. 5914

TRIAZINES
The influence of some electrolytes on the adsorption and release of symmetrical triazines on some organic colloids. 7104

TRIBOLIUM
A new species of Tribolium from North America previously confused with Tribolium madens (Charp.) (Coleoptera: Tenebrionidae). 5055
New possibilities of pest control in mills and flour storages by DDVP chemicals. 7035

TRIBOLIUM CASTANEUM
Temperature effects on the toxicity of five insecticides against five species of stored-product insects. 5384

TRIBOLIUM CONFUSUM
Temperature effects on the toxicity of five insecticides against five species of stored-product insects. 5384
Biochemical correlates of respiratory and developmental changes in anoxic Tribolium confusum pupae. 5408
Stored grain insects as carrier of fungi. 7034

TRIBUTYL(2,4-DICHLOROBENZYL)PHOSPHONIUM CHLORIDE
Effects of growth retardants on Vitis vinifera L. 7218

TRICHINELLA SPIRALIS
Synthesis of radioactive Trichinella spiralis larval antigen in vitro. 6799
Trichinella spiralis: Immune elimination in mice. 6935
Remarks concerning the experimental infestation of guinea pigs with the East African strain of Trichinella spiralis. 6946
Comparative susceptibilities of the cat and the domestic pig to the west African strain of Trichinella spiralis. (Owen, 1835). 6947
The value of some standardized Trichinella spiralis antigens, as estimated by intradermal tests. 6948
Homocytotropic antibody response in mice infected with Schistosoma mansoni: Comparasion with the response following Trichinella spiralis infection. 6979
Survival of encysted larvae of Trichinella spiralis: Effect of exposure to 0 F, using precooled and fresh ground pork. 7039

TRICHLORFON
Control of the castor shoot and capsule borer, Dichocrocis punctiferalis Guen. 6150
Chemical control of the tea tortrix (Homona coffearia Nietner). 6171
Combined action of DDT with chlorophos and of thiophos with chlorophos. 7206
Thin-layer chromatographic-enzymatic identification of organophosphorus insecticides. Actiuation of weak esterase inhibitors. 7324
Nuclear magnetic resonance studies of phosphorus(V) pesticides- III, the hydrolysis of aliphatic pesticides by aqueous solutions. 7347

TRICHLOROPHENOXYACETIC ACID, 2,4,6-
Penetration of chlorinated phenoxyacetic and benzoic acids into leaves. 7289

TRICHODERMA
Butt rot in yellow-poplar seedling-sprout stands. 5947

TRICHODERMA VIRIDE
Influence of atrazine and varied carbon and nitrogen amendments on growth of Sclerotium rolfsii and Trichoderma viride in soil. 7236

TRICHOGRAMMA
Use of some host insects to increase trichogram effectiveness. 5692
Field experiments with Trichogramma brasiliensis Fland. for the possible control of the pink bollworm of cotton, Pectinophora gossypiella Saund., in Mexico. 6198

TRICHOGRAMMA EMBRYOPHAGUM
The significance of oviposition rates in the egg parasite, Trichogramma embryophagum Htg.. 5410

TRICHOPHYTON MENTAGROPHYTES
Ringworm due to Trichophyton mentagrophytes in a dog. 6529

TRICHOPTERA
The immature stages of Lype diversa (Banks) (Trichoptera, psychomyiidae). 5032
The endemic Rhycophila from Corsica. Description of Rhyacophila tarda sp. n. (Tricoptera). 5046
Life cycles of benthic insects in Lapland streams (Ephemeroptera, Plecoptera, Trichoptera, Diptera Simuliidae). 5653

TRICHOSPORON
Yeasts and yeast-like fungi in the genital organs of cows and heifers. V. Genital candidiasis and abortions caused by yeasts belonging to the genera Candida, Trichosporon and Saccharomyces. 6608

TRICHOSTRONGYLIDAE
Treatment of gastrointestinal parasitism of cattle with Parbendazole. 7004

TRICHOSTRONGYLUS
Epizootiologic factors of infestation by Trichostrongylidae in ovines in Leon. 6937
Amino acid composition of some strongyle parasites of cattle. 6952

TRICHURIASIS
Studies on the pathogenesis of trichocephaliasis in sheep. 6920
The investigations of main intestine enzymes--enterokinase and alkaline phosphatase in experimental pig trichocephaliasis. 6964
The dynamics of total protein amount and protein fractions in the blood serum during experimental pig trichocephaliasis. 6971

TRICHURIS
Studies on the pathogenesis of trichocephaliasis in sheep. 6920
Worm control in swine. 6942
A comparative study of the activities of 2,6-diiodopara-nitrophenol (Disophenol) and 2-para-thiazolylbenzimidazole (Thiabendazole) as anthelmenthic for sheep. 6999

TRICHURIS VULPIS
The systemic action of methyridine against helminths, especially whipworms, in dogs. 6929
Efficacy of tetramisole on nematode infections of dogs. 6981

TRIFLURALIN
Preplanting applications of prometryne in cotton. 6340
Effects of methods of placement on performance of trifluralin, CDEC, and DCPA applied to soil. 6364
Pre-emergence weed control in the nursery. 6383
Herbicides in cotton and their compatibility with soil-applied insecticides. 6388
Cotton unaffected by systemics and herbicides. 7220
Effect of trifluralin on growth, morphology, and nucleic acid synthesis. 7292

TRIGONELLA
The weed vegetation of flower beds and irrigated cultivations in Cairo and some adjacent provinces. 5837

TRIGONELLA FOENUM-GRAECUM
Natural infection of fenugreek by two legume viruses. 6086

TRIIODOBENZOIC ACID, 2,3,5-
TIBA fractures the soybean yield barrier. 5787

TRIPHENYLTIN HYDROXIDE
Studies on the antifeedant against the catterpillars of Pericallia ricini F. (Arctiidae) and Spodoptera littoralis Boesd. (Noctuidae: Lepidoptera) on castor (Ricinus communis L.). 6259

TRIPSICUM DACTYLOIDES
The relationship of Johnson grass and other perennial hosts of maize dwarf mosaic virus to disease spread and control. 6108

TRITIUM
The localization of spermidine in salivary gland cells of Drosophila melanogaster and its effect on H-3-uridine incorporation. 5288

TROGODERMA GRANARIUM
Nutritional behavior of Trogoderma granarium Everts (Coleoptera: Dermestidae) on leguminous seeds. 5230
Stored grain insects as carrier of fungi. 7034

TROMBICULIDAE
A new species and new records of Mackiena (Acarina, Trombiculidae). 5111
The establishment ofa lectotype for Leptotrombidium (Leptotrombidium) akamushi (Brumpt, 1910) (Acarina: Trombiculidae). 5163
A technique for rearing trombiculid mites (Acarina) developed in a tropical laboratory. 5489
A technique for feeding larval trombiculid mites on laboratory mice. 5748

TROMBIDIFORMES
Epimyodex talpae n. g., n. sp., a sub-cutaneous parasite of the mole in Belgium (Demodicidae: Trombidiformes). 5029

TROMBIDIIDAE
South American Thrombidiidae. II. Chyzerini Thrombidiinae; solenocyte taxonomy of the palpus in several Thrombidii a ; th r latio-ship between Podothrombium Berlese 1910 -- Variathrombium n. g., and Thrombidiinae. 5137

TROUT
DDT. Sublethal effects on brook trout nervous system. 7087

TRYPANOSOMA
Blood parasites found in imported birds at post-mortem examination. 6987

TRYPANOSOMA BRUCEI
Suitable blood sources permitting reacquisition of infectivity by culture-form Trypanosoma (Trypanozoon) brucei. 6461

TRYPANOSOMA CRUZI
Multiplication and differentiation of Trypanosoma cruzi in an insect cell culture system. 6875

TRYPANOSOMA LEWISI
Mechanical transmission of Trypanosoma lewisi (Kinetoplastida: Trypanosomidae) by Rhodnius prolixus (Hemiptera: Reduviidae). 5261
Comparative studies on blood-stream and culture forms of Trypanosoma lewisi--I. Oxygen utilization, carbon dioxide production and glucose uptake. 6625

TRYPANOSOMATIDAE
Some observations on flagellate parasites of hemipterans Corimelaena, Euschistus, Gerris, Leptocoris and Oncopeltus in the United States. 5444

TRYPANOSOMIASIS
Five new cases of Chagas' disease in Zacatecas and Jalisco in the Republic of Mexico. 5760
Trypanotolerant cattle, Breeding in Central African Republic. 6550

TRYPANOSOMIDAE
Mechanical transmission of Trypanosoma lewisi (Kinetoplastida: Trypanosomidae) by Rhodnius prolixus (Hemiptera: Reduviidae). 5261

TRYPSIN
Pancreatic enzymes initiating excystation of Eimeria acervulina sporozoites. 6554

TRYPTOPHAN
Relationship between serotonin and the circadian rhthym in some nocturnal moths. 5364
Regulation of tryptophan metabolism in the parasitic wasp, Habrobracon juglandis. 5439

TSUGA HETEROPHYLLA
Borax and control of stump infection by Fomes annosus in western hemlock. 5920

TUBERCULIN TEST
Studies of tuberculosis in hens as a problem of food hygiene. 6493
Tuberculosis in ducks. 6819
Experiences and ideas regarding cattle tuberculosis sanitation in a state practitioners area. 6834

TUBERCULOSIS
Studies of tuberculosis in hens as a problem of food hygiene. 6493
Tuberculosis in ducks. 6819
Experiences and ideas regarding cattle tuberculosis sanitation in a state practitioners area. 6834

TULAREMIA
Transmission of the tularemia pathogen to homothermal animals by Ixodes ticks. (JPRS 44,105). 5758
Preliminary results in a study of natural foci of tularemia in the Sisak-Gusce-Popavaca region of Croatia. (JPRS 44,159). 6623
Results of microbiological examination of reservoir animals in the west Slovakia region for tularemia. 6701

TUNGRO
Testing rice varieties for resistance to tungro disease. 5997
Genetics of and breeding for resistance to rice virus diseases. 6111

TUNGRO DISEASE
Transmission experiments on the tungro virus in Thailand. 5429

TURF
Factors influencing disease development of putting green turf. 5956
Fusarium blight and Merion bluegrass. 6114
Weed control in turf - 1967. 6345
Chemical growth inhibition in turf. 6349
Weed control in turf. 6382
Controlling weeds in turf. 6387

TURKEY EGGS
Salmonella penetration of the outer structures of white- and speckled-shell turkey eggs. 6868

TURKEYS
Effects of dimetridazole and antibiotics on growth and reproduction in turkeys. 6415
Turkey management guide. 6441
The morphologic response of the turkey oviduct to certain pathogenic agents. 6483
Some outbreaks of turkey erysipelas. 6510
The characteristics of Staphylococcus aureus isolated from cases of staphylococcosis in poultry. 6614
Some characteristics of Staphylococcus aureus isolated from the skin and upper respiratory tract of domesticated and wild (Feral) birds. 6615
Requirement of turkey poults for biotin and effect of deficiency of incidence of leg weakness in developing turkeys. 6648
Histologic features of atherogenesis and aortic rupture in turkeys. 6684
A new influenza A virus infection in turkeys. IV. Experimental susceptibility of domestic birds to virus strain turkey/Ontario 7732/1966. 6737
A new influenza A virus infection in turkeys. V. Pathology of the experimental disease by strain turkey/Ontario 7732/66. 6738
A hemagglutination-inhibition test for Mycoplasma meleagridis antibodies. 6787
Isolation of Arizona 7:1,7,8 from litter of pens housing infected turkeys. 6824
Experimental transmission of Histomonas meleagridis and Heterakis gallinarum by the sowbug, Porcellio scaber, and its implications for further research. 6830
Novobiocin for use in chicken and turkey feed. Drugs for veterinary use; drug efficacy study implementation. 7176

TURNIPS
Changes of plastids which arise under the influence of turnip yellow mosaic virus. 6016
Detection of Plasmodiophora brassicae races 2 and 6 in Ontario. 6056
Matricaria and lambsquarter control in Brassicas with analogs of propachlor. 6368

TURTLES
The black fly, Simulium venustum, attracted to the turtle, Chelydra serpentina. 5617
Temperature and humidity effects on the oviposition of Hyalomma aegyptium ticks of different engorgement weights. 5637

TYDEUS
Five tydeid mites from Israel (Acarina: Prostigmata). 5041

TYLOSIN
Growth, feed efficiency and gross chemical composition in market-weight pigs as influenced by a combination of synthetic sex hormones and tylosin. 6420

TYPHOID
Central African utilization of a polyvalent avarian vaccine. 6781

TYROSINE
Metabolic activity of pea root ribosomes under conditions of boron deficiency. 5877
Mesosomes in m-tyrosine-inhibited Bacillus thuringiensis. 6474
Relation between black spot and composition of the potato tuber. 7312

UDDERS
S.N.F. content of milk. 6446

Incidence of udder infections arising at various stages of lactation of cows.
6734

Metabolic substances of Staphylococcus aureus of bovine udder origin - a quantitative study.
6739

Bovine herpes mammillitis virus. III. Observations on experimental infection.
6796

Influence of some preparations applied into the udder on the pH, microscopic cellular appearance, California Mastitis Test and on the content of catalase and chlorides in milk.
6837

ULCERS
Mastocytosis with gastrointestinal ulceration in a dog.
6511

Histologic features of atherogenesis and aortic rupture in turkeys.
6684

Hypercalcemia and gastro-duodenal ulcerations.
6849

ULMUS
On the elm-tree dieback.
6043

ULMUS AMERICANA
Nitrogenous compounds in the xylem sap of American elms with Dutch elm disease.
6083

ULTRA LOW VOLUME APPLICATION
Control of grasshoppers (Phaulacridium vittatum) by ultra-low volume aerial application of technical maldison.
5253

ULTRASONIC WAVES
The application of ultrasound in the treatment of mastitis in cows.
6598

ULTRASTRUCTURE
Evolution toward a single phenotype and persistance of the molting glands in Locusta migratoria cinerascens, gregarious phase, under the influence of carbonic gas. Experimental and ultrastructural study.
5498

Cuticle ultrastructure of the Meloidogyne hapla larva.
6292

Spermtail finestructure of Echinococcus granulosus and Dicrocoelium dendriticum.
6978

ULTRAVIOLET RAYS
Colour vision and colour preference in the tropical eye-fly.
5494

Preliminary investigations on the phenomenon of photoluminescense of seeds of soybean.
5816

The induction of dodine tolerance in Fusarium oxysporum f. melonis: a technique applicable to the study of the bionomics of soil-borne fungal pathogens.
6001

Postirradiation modification of ultraviolet-sensitivity of normal and nitrofurazone-resistant strains of the blue-green alga Anacystis nidulans.
7217

UNITED STATES
Fish and Wildlife Act of 1956 as amended; an excerpt from title 16 of the United States Code.
7420

UREA
Influence of some herbicides on accumulation of 32P in above-ground organs of oats.
7223

Microbial degradation of five substituted urea herbicides.
7276

Herbicidal, halogenated urea derivative. Patent 3,431,289.
7344

UREA COMPOUNDS
Studies on a biological and a chemical method of controlling the dark rice field mosquito in Louisiana. (abstracts).
6168

UREASE
Metabolic substances of Staphylococcus aureus of bovine udder origin - a quantitative study.
6739

UREDINALES
Interrelationships of Ledum species and their rust parasites in Western Canada and Alaska.
6067

URETHRA
Histopathological examination of the kidneys of a ram who died of a urethral obstruction due to sedimentosis.
6646

URIDINE
The localization of spermidine in salivary gland cells of Drosophila melanogaster and its effect on H-3-uridine incorporation.
5288

URINARY CALCULI
Statistical analysis of blood serum composition, urine excretion levels and the occurrence of urolithiasis in sheep.
6687

URINE
Urine pH changes in cattle infected with foot-and-mouthdisease virus.
6535

Some observations of hypomagnesemic tetany in cattle.
6606

Urine-retention caused by a peri-urethal leiomyoma, in a female dog.
6691

On the behavior of xanthurenic acid in rabbits treated with massive doses of pyridoxine.
7203

UROLITHIASIS
Statistical analysis of blood serum composition, urine excretion levels and the occurrence of urolithiasis in sheep.
6687

UROMYCES
Mobilization factors in uredospores and bean leaves infected with bean rust fungus.
5908

UROMYCES PHASEOLI
Study of the transfer of amino acids from aminoacyl transfer ribonucleic acid into protein by ribosomes from uredospores of the bean rust fungus.
6879

URTICARIA
Mastocytosis with gastrointestinal ulceration in a dog.
6511

USSR
Proteleas, a new genus of Scelionidae with three new species from the USSR.
5085

USTILAGINALES
Experiments on the control of cereal smuts with a derivative of 1,4-oxathiin.
5987

USTILAGO NUDA
Field evaluation of a derivative of 1,4-oxathiin for control of cereal smuts.
5986

Results from a three-year test with the anaerobic method in barley seed disinfection from Ustilago nuda (Pers.) Kell. et sw.
6019

USTILAGO SCITAMINEA
Control of smut on sugarcane. Regulation of varieties of sugarcane which can be cultivated in the state of Sao Paulo.
5854

USTILAGO TRITICI
Field evaluation of a derivative of 1,4-oxathiin for control of cereal smuts.
5986

Studies on the natural accumulation of loose smut infection on wheat - Ustilago tritici (Pers.) Jensen.
6020

UTERUS
Contribution to the study of uterine dysplasias of functional origin in dogs.
6692

Metastatic uterine adenocarcinoma in the cow. (A recognizable clinical entity).
6694

Nebraska's specific pathogen-free (SPF) swine program; tenth year report.
7016

VACCINES
Maintaining high-quality veterinary biologics.
6429

Sprayable or subcutaneously adminstrable vaccine for the immunization of mustelines against distemper and process for its preparation. Patent 3,420,934.
6454

Studies on an ocular infectious laryngotracheitis vaccine.
6459

Hot debate boils over vaccines.
6469

Adrenergic mechanism in Bordetella pertusis treated animals.
6475

Duration of rinderpest virus excretion in cattle immunized with an inactivated vaccine.
6496

A note on homologous strain immunity in Babesia argentina infections.
6509

Immune response of chickens to six strains of Newcastle disease virus as measured by hemagglutination-inhibition test.
6517

Vaccination of the horse for equine influenza with an uncomplemented polyvalent vaccine.
6534

Study of the virulence of Contagious Bovine Pleuropneumonia organism (Assam strain) on subcutaneous pathogenicity test.
6542

Disease prevention in the piggery.
6544

Resistance of vaccinated mice to typical and atypical strains of Coccidioides immitis.
6635

Immunogenic properties of polyvalent and associated emulsion vaccine against paratyphoid fever and brucellosis of sheep.
6637

Ranikhet disease can be controlled.
6638

Propagation of swine-fever virus in cell culture.
6655

The effect of social and economic changes in the People's Republic of Bulgaria on morbidity from anthrax.
6661

A formalinized and adjuvanted rabies vaccine of tissue culture origin.
6683

Ovine anti-brucellosis serology. Vaccine and infectious antibodies. Serums negative to the sero-agglutination of Wright and positive to complement deviation.
6689

Influence of a papilloma vaccine on chronic bovine enzootic hematuria.
6757

The use of an avian polyvalent vaccine in central Africa.
6780

Central African utilization of a polyvalent avarian vaccine.
6781

Action of Bayer preparation A 139 on rabies virus.
6785

Colostral immunity against salmonella infection in calves.
6794

Animal diseases and pests.
6818

A tetrazolium reduction test to evaluate the viability of strain 19 vaccines.
6831

Virus hepatitis of ducks. 6. Communication: Passive immunization of ducklings by vaccinating parent ducks.
6858

VACCINIA VIRUS
Effect of cytostatics on the replication of vaccinia, pseudo-rabies and sindbis viruses and on the interferon production by tissue culture cells.
6791

VAGINA
Vaginal papilloma of the cat.
6706

VAPORIZATION
Immobilizing insects by sudden reduction of body temperature. Patent 3,446,892.
7377

VAPORS
Hepatotoxic potency of various chlorinated hydrocarbon vapors relative to their narcotic and lethal potencies in mice.
7166

VARIANCE ANALYSIS
Rearing of Ips cembrae larvae on artifical diets: Some essential amino acids and sugars.
5206

Immune response of chickens to six strains of Newcastle disease virus as measured by hemagglutination-inhibition test.
6517

VARIATHROMBIUM
South American Thrombidiidae. II. Chyzerini Thrombidiinae; solenocyte taxonomy of the palpus in several Thrombidii a ; th r latio-ship between Podothrombium Berlese 1910 -- Variathrombium n. g., and Thrombidiinae.
5137

VEGETABLES
Control home vegetable garden insects.
5358

Man insects and pesticides.
5817

Horticulture.
5825

Growing vegetables in South Dakota.
5832

Guidelines for production of vegetables for processing in Arkansas.
5833

Results of insecticide and fungicide tests, carried out in 1966, by the Vegetable Protection Service.
5879

Fungistatic and fungicidal effects of certain organic products on some fungi causing diseases in vegetables.
5899

Control of vegetable insects and diseases.
6017

Natural infection of fenugreek by two legume viruses.
6086

Vegetable diseases, II. An aid to identification and control.
6136

1969 insect control guide for Colorado. II. Vegetable crops.
6184

Insects and diseases of vegetables in the home garden.
6242

A nematological study of some cultivations on the south coast of Spain.
6294

Tropical nematology.
6305

Results of herbicide tests carried out in 1966 by the Vegetable Protection Service.
6326

1967 guide to chemical weed control.
6385

TDE (or DDD). Proposed reduction of tolerances for residues in or on raw agricultural commodities.
7120

Manganese toxicity of legumes seeded in Kentucky strip-mine spoils.
7145

VEGETATION
Infection rate of Culex pipiens L. mosquitoes with parasitizing fungus Entomophthora conglomerata Sorok. in the vicinity of Novocherkassk.
5382

Some regularities in the zonal distribution of oribatoid mites.
5421

The weed vegetation of flower beds and irrigated cultivations in Cairo and some adjacent provinces.
5837

VELOCITY
The effect of reduction in stream flow on invertebrate drift.
5475

VENOMS
Insect venoms, attractants, and repellents. XI. Massoilactone from two species of formicine ants, and some observations on constituents of the bark oil of Cryptocarya massoia.
5257

Phospholipase A in the venom of the Australian bulldog ant Myrmecia pyriformis.
7180

Effect of floxosceles reclusa Gertsch and Mulaik venom against hemocytes of Acheta domesticus (Linnaeus).
7191

Venom of the scorpion Vejovis spinigerus.
7199

VENTILATION
Turkey management guide.
6441

VENTURIA CANESCENS
Functional response to host density in a parasitic wasp, with reference to population regulation.
5640

VENTURIA INAEQUALIS
A biochemical mechanism of natural resistance of apple to Venturia inaequalis.
5834

Black spots of apples: A warning service for fruit-growers.
5865

Effect of 6-azauracil against apple powdery mildew and apple scab.
5909

VERBASCUM THAPSIFORME
The mosaic disease of mullein, Verbascum thapsiforme Schrader, occuring in Czechoslovakia.
6040

VERICILLIUM
Effects of insecticides on insects and pathogenic fungi associated with alsike clover roots.
5815

VERMINOUS BRONCHITIS
Home produced cyazid is a highly effective anthelminthic against sheep dictyocaulosis.
6985

Practice of animal dictyocaulosis and fascioliasis control.
6991

VERNAM
A sub-surface applicator for herbicides.
7399

VERNONIA
Vegetative reproduction in western ironweed.
5839

Herbicidal control of western ironweed.
6363

VERTEBRATES
The geographical and evolutionary relationships of Australian trichostrongyloid parasites and their hosts.
6955

VERTICILLIUM
Fungistatic and fungicidal effects of certain organic products on some fungi causing diseases in vegetables.
5899

VERTICILLIUM ALBO-ATRUM
Studies with two systemic fungicides, benlate and thiabendazole.
5962

Infection, recovery from infection and resistance of apricot trees to Verticillium albo-atrum.
6105

VERTICILLIUM DAHLIAE
Verticillium wilt of groundnut in Israel: Screening for varietal resistance.
5931

VERTICILLIUM TRICORPUS
Fluctuations in natural soil populations of Verticillium tricorpus.
6106

VERTICILLIUM WILT
Accustoming of fungi-antagonists to cotton rhizosphere and their effects on cotton productivity and disease with verticillium wilt.
7247

VESICULAR EXANTHEMA VIRUS (SWINE)
Biochemical and biophysical characteristics of vesicular exanthema virus and the viral ribonucleic acid.
6864

VETERINARY MEDICINE
Achievements of Soviet veterinary helminthology.
6421

Veterinary treatment of farm animals in the case of external radioactive contamination. First communication. Veterinary treatment of sheep and pigs externally contaminated with phosphorus32 and strontium89.
6428

Maintaining high-quality veterinary biologics.
6429

Veterinary science.
6438

Review of the most important causes of death and disease of dogs over a period of 15 years.
6448

National approach to control of animal disease in Australia. Editorial.
6468

Susceptibility of European Zebu crossbred cattle to lapinsed rinderpest vaccine.
6484

Biological assay of virus contents of tissues of rabbits infected with lapinised rinderpest virus.
6485

Animal health business thrives.
6499

The organization of the collective prophylaxis of infectious animal diseases in France.
6520

Suspected primary hyperparathyroidism in the dog.
6601

Propagation of swine-fever virus in cell culture.
6655

Zoonoses in india.
6667

Metabolic substances of Staphylococcus aureus of bovine udder origin - a quantitative study.
6739

Antibody response in animals immunized with different types of anthrax vaccine.
6755

An assessment of eimerian lesions in buffalo-calves (Bubalus bubalis) and their significance.
6759

Studies on infectious laryngotracheitis (ILT) virus of poultry. I. Isolation and identification of the virus. 6775

Studies on infectious laryngotracheitis (ILT) virus of poultry. II. Survey of the infection by immuno-diffusion test. 6776

Epidemic prophylaxis and control of infectious diseases in large modern poultry farms. 6801

Studies on goat-pox virus. I. Host range pathogenicity. 6805

Studies on goat-pox virus. II. Serological reactions. 6806

Tuberculosis in ducks. 6819

A preliminary report on the incidence of infectious laryngotracheitis (ILT) of poultry by gel-diffusion test. 6852

Occurrence of infectious bronchitis of poultry in India. 6853

Results and prospects of dehelminthization measures. 6933

Studies on the acquired resistance of goats to Haemonchus spp. 6954

Practice of animal dictyocaulosis and fascioliasis control. 6991

Materials for the investigation of helminthosis pathogenesis. 7007

The management of cases of suspected poisoning. 7173

Veterinary prescription drugs. Directions for use. 7182

The saftey evaluation of pet products. 7204

How FDA keeps drugs safe, effective. 7209

VIABILITY

Survival of ascarid eggs in soil under conditions of Moscow region. 6295

VIBRIO

Hepatic lesions in the rabbit caused by Vibrio sp. 6512

VIBRIO FETUS

Vaccination of bulls against bovine vibriosis. 6521

Effects of penicillin and glycine on cell wall glycopeptides of the two varieties of Vibrio fetus. 6585

The isolation of Leptospira sejroe from the kidneys of aborting cattle. 6724

VIBRIO PARAHAEMOLYTICUS

Studies on the method of experimental infection of Vibrio parahaemolyticus. I. Infection of Vibrio parahaemolyticus into intestinal segments of rabbits. II. Influence of chemotherapeutic agents on intestinal segments of rabbit infected with Vibrio parahaemolyticus. 6617

VIBRIOSIS

Vaccination of bulls against bovine vibriosis. 6521

VIRAL VACCINES

The use of measles vaccines in the immunization of the dog. 6453

A new fowl pox vaccine. 6467

Susceptibility of European Zebu crossbred cattle to lapinsed rinderpest vaccine. 6484

Biological assay of virus contents of tissues of rabbits infected with lapinised rinderpest virus. 6485

Remarks on the receptivity of new born lambs towards the foot-and-mouth disease virus. 6649

Vaccination of cattle against epizootic bovine abortion. 6715

VIREMIA

Avian leukosis-sarcoma viruses and antibody in field flocks, and their relationship to leukosis mortality. 6784

VIROLOGY

Appeal concerning the classification of invertebrate viruses. 5160

Ultrastructure of a cytoplasmic polyhedrosis virus affecting the monarch butterfly, Danaus plexippus. I. Development of virus and normal polyhedra in the larva. 5197

The in vitro pathogenesis of insect viroses. 5307

Conditions for the massive multiplication of the intestinal cytoplasmic virus of Mamestra brassicae L. (Lepidoptera). 5426

In vivo and in vitro cytological diagnosis of densonucleosis in Lepidoptera. 5469

Development of virus antigen in tissues of Pieris brassicae inoculated with Tipula iridescent virus. 5534

Initiation of polyhedrosis production in vitro. 5685

Survival of western equine encephalitis virus in Triatominae. 5761

Shifting of virus Y from stems to tubers in dependence on the plant age. 5874

An antiviral principle from tomatoes systemically infected with tobacco mosaic virus. 5887

Possibilities for inter- and intracellular translocation of some icosahedral plant viruses. 5906

Identification of soybean mosaic virus in Venezuela. 5907

Effect of 6-azauracil on infection with tobacco mosaic virus. 5914

A D serotype of satellite virus specifically associated with a D serotype of tobacco necrosis virus. 5949

The behavior of potato mop-top virus in soil, and evidence for its transmission by Spongospora subterranea (Wallr.) Lagerh. 5979

Studies on an Italian isolate of the tobacco necrosis virus. 6003

Cross interaction between different components of two strains of alfalfa mosaic virus. 6004

The crinkly mosaic of sweetvetch (Hedysarum coronarium L.). 6005

Evidence for the presence of the Ohio strain III of tobacco mosaic virus in tomato in The Netherlands. 6045

Potato spindle tuber virus: A plant virus with properties of a free nucleic acid. I. Assay, extraction, and concentration. II. Characterization and partial purification. 6051

Cell-free synthesis of tobacco mosaic virus coat protein and its combination with ribonucleic acid to yield tobacco mosaic virus. 6073

Assembly of protein and nucleoprotein particles from extracted tobacco rattle virus protein and RNA. 6074

Mycoplasma-like bodies in the salivary glands of insect vectors carrying the aster yellows agent. 6191

Biological assay of virus contents of tissues of rabbits infected with lapinised rinderpest virus. 6485

Investigations on the viruses of the Orphan type occurring in pigs in Poland. VII. Influence of the Orphan virus L1 on the virus of hog cholera in swine kidney cell cultures. 6501

Immune response of chickens to six strains of Newcastle disease virus as measured by hemagglutination-inhibition test. 6517

Rabies, disease of today. Its new etiological and epidemiological aspects. 6519

Experimental exposure of deer to California encephalitis virus. 6530

Avian reoviruses. IV. Relationship to human reoviruses. 6548

Behavior of equine infectious anemia virus in cell culture and development of a diagnostic test for the disease. 6562

Infectious disease review: newer concepts of rabies. 6563

Susceptibility of scrapie agent to ionizing radiation. 6575

Investigation on the viruses of the Orphan type occuring in pigs in Poland. III. Pathogenic properties of virus L1. 6645

Propagation of swine-fever virus in cell culture. 6655

Reproduction of type 12 adenovirus in HeLa culture cells. 6659

The effect of quaternary ammonium compounds on Newcastle disease virus and parainfluenza virus. 6670

A formalinized and adjuvanted rabies vaccine of tissue culture origin. 6683

Myxoviruses of animals. 6728

Viral etiology of the bovine lympholeukosis. 6729

Electron microscopic observations of inclusion bodies in swinepox. 6735

Studies on infectious laryngotracheitis (ILT) virus of poultry. I. Isolation and identification of the virus. 6775

Studies on infectious laryngotracheitis (ILT) virus of poultry. II. Survey of the infection by immuno-diffusion test. 6776

Rinderpest protection in cattle by measles virus. Application in calves with passive immunity from maternal antibodies. 6779

Resistance against canine distemper induced by measles virus. I. Measles vaccination in the presence of distemper antibodies. 6782

Bovine herpes mammillitis virus. III. Observations on experimental infection. 6796

Herpesvirus in Marek's disease tumors. 6800

Studies on goat-pox virus. I. Host range pathogenicity. 6805

Avirulent mutant of Aujeszky's virus, induced by 5-iodo-2-deoxiuridine (IUDR).
6838

Comparative study of the Aujeszky virus and of the herpes simplex virus by the immunofluorescence method. II. Kinetic study of the herpes simplex virus by the immunofluorescence method.
6843

Neuraminidase activity of the Newcastle disease virus. I. A study of the enzyme activity in differently cultivated strains.
6847

VIRULENCE

Remarks on the receptivity of new born lambs towards the foot-and-mouth disease virus.
6649

Effects of freezing on African horse-sickness virus.
6754

Avirulent mutant of Aujeszky's virus, induced by 5-iodo-2-deoxiuridine (IUDR).
6838

VIRUS DISEASES

Identification of the host range of Culex tritaeniorhynchus mosquitoes on Okinawa, Ryukyu Islands.
5765

Encephalitis field surveillance in Orleans Parish.
6903

VIRUS DISEASES (ANIMALS)

Gambusia for Colorado.
5746

Efficacy of use of some phospho-organic compounds as acaricides in foci of tick-borne encephalitis.
5772

Sprayable or subcutaneously adminstrable vaccine for the immunization of mustelines against distemper and process for its preparation. Patent 3,420,934.
6454

Newcastle disease in poultry.
6455

Studies on an ocular infectious laryngotracheitis vaccine.
6459

A new fowl pox vaccine.
6467

Hot debate boils over vaccines.
6469

Isolation of equine rhinopneumonitis virus from acute respiratory disease in a horse in Queensland.
6480

The morphologic response of the turkey oviduct to certain pathogenic agents.
6483

Duration of rinderpest virus excretion in cattle immunized with an inactivated vaccine.
6496

Investigations on the viruses of the Orphan type occurring in pigs in Poland. IV. Haematological findings in piglets artificially infected with virus L1.
6500

Investigations on the viruses of the Orphan type occurring in pigs in Poland. VII. Influence of the Orphan virus L1 on the virus of hog cholera in swine kidney cell cultures.
6501

Studies on avian encephalomyelitis. IV. Early incidence and longevity of histopathologic lesions in chickens.
6506

Immune response of chickens to six strains of Newcastle disease virus as measured by hemagglutination-inhibition test.
6517

Rabies, disease of today. Its new etiological and epidemiological aspects.
6519

The immunity induced in cattle and sheep by inoculation of neurotropic or pantropic Rift Valley fever viruses.
6523

Experimental infection of cattle with pantropic Rift Valley fever virus.
6524

Experimental exposure of deer to California encephalitis virus.
6530

Vaccination of the horse for equine influenza with an uncomplemented polyvalent vaccine.
6534

Equine influenza in Mexico. Isolation and study of the strain E/Equi 2/ Mexico/1/66.
6538

Viral lung diseases of the cat.
6546

Avian reoviruses. IV. Relationship to human reoviruses.
6548

Characterization of a cytoplasmic fraction from Sindbis virus-infected cultures.
6553

Contribution to the importance of inoculation against hog cholera as a measure for eradication of this infection in Yugoslavia.
6558

Behavior of equine infectious anemia virus in cell culture and development of a diagnostic test for the disease.
6562

Infectious disease review: newer concepts of rabies.
6563

Induction of lung adenomatosis (jaagziekte) in sheep. II.
6564

Susceptibility of scrapie agent to ionizing radiation.
6575

Distribution of experimentally induced scrapie lesions in the brain.
6580

Outbreak of ornithosis in a flock of carrier pigeons in Copenhagen.
6584

Newcastle disease in Francolinus francolinus, Francolinus pondicerrianus and in Bambusciola thoracica.
6588

Arbovirus-erythrocyte interaction. Adsorption, elution and neutralization of virus.
6589

Bovine respiratory disease, diagnosis and control.
6593

Clinical observation of experimental pseudorabies in mink and ferrets.
6600

The olfactory bulb lesion in the hibernating squirrel (Citellus lateralis) infected with coxsackievirus B-3. I. Virus assay, light microscopic and immunofluorescent study.
6604

Natural scrapie in a goat.
6630

Ranikhet disease can be controlled.
6638

Early changes in bursa of Fabricius from Marek's disease.
6642

Investigation on the viruses of the Orphan type occuring in pigs in Poland. III. Pathogenic properties of virus L1.
6645

Remarks on the receptivity of new born lambs towards the foot-and-mouth disease virus.
6649

Propagation of swine-fever virus in cell culture.
6655

An enzooty of strangles caused by virus A2 equi Miami 63 in the region of Lyon.
6656

Influence of various strains of the Aujeszky virus on the metabolism of cells cultured in vitro.
6658

Pathology of extranasal lesions in experimental inclusion-body rhinitis of pigs.
6664

Transmission of classical Marek's disease by affected and carrier birds.
6666

The effect of quaternary ammonium compounds on Newcastle disease virus and parainfluenza virus.
6670

Control of Marek's disease by the use of inoculated chicken embryo fibroblasts.
6677

Marek's disease: A review.
6678

The detection of the ECPO virus antigen in tissue culture with the aid of fluorescent antibodies.
6681

A formalinized and adjuvanted rabies vaccine of tissue culture origin.
6683

Prevalence of Sindbis virus antibodies in an Egyptian rural community.
6710

Properties of the in vitro soluble RNA methylase activity of hamster tumors induced by adenovirus-12.
6713

On antibody metabolism in pigs and calves, following the application of homologous and heterologous specific gamma-globulins.
6718

Myxoviruses of animals.
6728

Viral etiology of the bovine lympholeukosis.
6729

Electron microscopic observations of inclusion bodies in swinepox.
6735

Establishment and characterization of a feline neurofibrosarcoma (FNFS) cell line.
6746

A study of experimental ornithosis in the white mouse infected through the peritoneal cavity.
6751

Outbreak of influenza A/equi 2 in Italy.
6756

Preparation of stable noninfective influenza virus antigens for typing by hemagglutination-inhibition.
6773

Rinderpest protection in cattle by measles virus. Application in calves with passive immunity from maternal antibodies.
6779

Avian leukosis-sarcoma viruses and antibody in field flocks, and their relationship to leukosis mortality.
6784

Bovine herpes mammillitis virus. III. Observations on experimental infection.
6796

Herpesvirus in Marek's disease tumors.
6800

Western Encephalitis virus in Alberta.
6812

The olfactory bulb lesion in the hibernating squirrel (Citellus lateralis) infected with coxsackievirus B-3. II. Immunological study.
6816

Fowl pox inclusion-body formation in skin epithelium of chicks.
6817

Field observation of a mucosal type of disease at Aarey Milk Colony.
6826

Avirulent mutant of Aujeszky's virus, induced by 5-iodo-2-deoxiuridine (IUDR).
6838

Comparative study of the Aujeszky virus and of the herpes simplex virus by the immunofluorescence method. II. Kinetic study of the herpes simplex virus by the immunofluorescence method. 6843

TGE prevention your goal. 6845

Neuraminidase activity of the Newcastle disease virus. I. A study of the enzyme activity in differently cultivated strains. 6847

A preliminary report on the incidence of infectious laryngotracheitis (ILT) of poultry by gel-diffusion test. 6852

Pathomorphological studies on rabbits and guinea-pigs experimentally infected with the virus of Aujeszky's disease. 6854

The transmission of west equine encephalomyelitis virus from chicken to chicken by Culex pipiens (SAY). 6856

Cell culture techniques for primary isolation of Marek's disease-associated herpesvirus. 6872

Evidence for a herpesvirus as an etiologic agent of Marek's disease. 6873

The influence of cortisone and low environmental temperature on experimental infectious canine hepatitis in the guinea-pig. 6878

Investigations on the viruses of the Orphan type occurring in pigs in Polannd. V. Histopaphological changes in the central nervous system of piglets infected with virus L1. 6885

The guilty fox. 6977

Table of human infections. In: Diseases of man acquired from his pets. 7146

VIRUS DISEASES (INSECTS)

Appeal concerning the classification of invertebrate viruses. 5160

Diagnosis of the diseases of insects. 5455

Conditions determining the initiation and development of nuclear polyhedrosis epizootics in Lepidoptera. 5506

Determination of nucleopolyhedron counts and size frequency distributions by means of a Coulter transducer. 6009

VIRUS DISEASES (PLANTS)

A note on the anatomical derangement in the root tissue of root (wilt) diseased coconut palm. 5383

Transmission experiments on the tungro virus in Thailand. 5429

Some observations and comments on stem-pitting of peach, its control and a nursery improvement program. 5782

The present status of virus diseases of rice in Ceylon. 5858

An X-ray diffraction study of a tobacco mosiac virus mutant. 5861

Shifting of virus Y from stems to tubers in dependence on the plant age. 5874

The occurrence of coupea mosaic virus in the state of Sao Paulo. 5885

An antiviral principle from tomatoes systemically infected with tobacco mosaic virus. 5887

Bibliography of soybean diseases. 5888

The effect of viral infection on the total choline content in potato and black currant leaves. 5894

Diseases of the seed potato; how to recognize them before planting. 5905

Possibilities for inter- and intracellular translocation of some icosahedral plant viruses. 5906

Identification of soybean mosaic virus in Venezuela. 5907

Effect of 6-azauracil on infection with tobacco mosaic virus. 5914

The respiratory pathways of tobacco leaves infected with potato virus x. 5918

Respiration of tobacco leaves infected with different strains of potato virus X. 5919

Transmission and translocation of red clover vein mosaic virus in clover. 5921

Effect of red clover vein mosaic virus on dry weight of tissues of Gomphrena globosa. 5922

Relation of beet yellows virus to the phloem and to movement in the sieve tube. 5923

Italian beet culture. The diseases: Fungi and viruses. 5926

Purification of potato virus X and preparation of infectious ribonucleic acid by degradation with lithium chloride. 5930

Hoja blanca disease of rice. 5938

Transmission of hoja blanca virus of rice. 5940

Epidemiology of cotton leafcurl virus in the Sudan. 5946

A D serotype of satellite virus specifically associated with a D serotype of tobacco necrosis virus. 5949

Milk-vetch dwarf virus. 5963

Some experiments on the transmission of Cymbidium mosaic virus and Odontoglossum ringspot virus. 5970

Studies on host range of PVY - group viruses in leguminous plants in Japan, and the identification of them by the selected differential test plants. 5971

Studies on the viruses of plants in Compositae in Japan. I. Tomato aspermy virus from chrysanthemum. 5972

The virus diseases of the rice plant. Proceedings of a symposium at the International Rice Research Institute, April, 1967. 5973

Alfalfa diseases. 5977

Tropical crop losses with special reference to rice. 5978

The behavior of potato mop-top virus in soil, and evidence for its transmission by Spongospora subterranea (Wallr.) Lagerh. 5979

Varietal resistance to hoja blanca. 5990

Rice stripe disease in Korea. 5992

Testing rice varieties for resistance to tungro disease. 5997

Transmission of rice viruses in Southeast Asia. 5998

Studies on an Italian isolate of the tobacco necrosis virus. 6003

Cross interaction between different components of two strains of alfalfa mosaic virus. 6004

The crinkly mosaic of sweetvetch (Hedysarum coronarium L.). 6005

Changes of plastids which arise under the influence of turnip yellow mosaic virus. 6016

Effects of kinetin and actinomycin D on the susceptibility of Nicotiana glutinosa L. to infection by tobacco mosaic virus. 6022

A symptomless carrier of sandal spike disease. 6027

Report of the Committee on Nomeclature of Rice Virus Diseases. 6031

Virus diseases of rice in Southeast Asia. 6032

Some observations on tobacco yellow dwarf control. 6033

The problems of plant disease control. 6034

Evidence for the presence of the Ohio strain III of tobacco mosaic virus in tomato in The Netherlands. 6045

Controlling diseases of oilseed crops. 6046

Diseases of pulses pose a challenge to plant pathologists, breeders. 6047

Virus disease that resembles Tungro. 6048

Research on the associated culture of viruses and vegetable tissues. 6049

Diseases of fruits and vegetables. 6050

Potato spindle tuber virus: A plant virus with properties of a free nucleic acid. I. Assay, extraction, and concentration. II. Characterization and partial purification. 6051

Phosphate distribution in healthy and TMV infected tomato plants. 6052

Decline of citrus trees in the regions of Araraquara and Bebedouro. 6059

The effect of TMV on the Hill reaction in chloroplasts from various tobacco species with different resistance. 6060

Varietal resistance to stripe, dwarf, yellow dwarf, and black-streaked dwarf. 6064

Etiology, symptomatology and epidemiology of a virus disease of cultivated mushrooms. 6069

Cell-free synthesis of tobacco mosaic virus coat protein and its combination with ribonucleic acid to yield tobacco mosaic virus. 6073

Assembly of protein and nucleoprotein particles from extracted tobacco rattle virus protein and RNA. 6074

A note on the non-transmission of Centrosema mosaic virus through seed. 6076

Electron microscopic studies of rice viruses. 6077

Barley diseases in Western Australia. 6078

Tests on the behavior of X and Y viruses of some rieties of potatoes, important in Brazil.
6079

Reaction of nitrosoguanidine (N-methyl-N'-nitro-N-nitrosoguanidine) with tobacco mosaic virus and its RNA.
6081

Inheritance of mosaic resistance in sugarcane.
6084

Penyakit merah disease, a virus infection of rice in Malaysia.
6085

Natural infection of fenugreek by two legume viruses.
6086

Susceptibility of watermelon cultivars to watermelon mosaic virus-2.
6091

Relationship of pea mosaic virus with its vector Aphis craccivora Koch..
6092

Transitory yellowing of rice in Taiwan.
6097

Purification, bioassy, properties, and serology of rice viruses.
6102

Studies on resistance to yellow mosaic in barley. II. Comparison of varietal reactions to the viruses of different sources and relation between disease symptom and damage.
6103

The relationship of Johnson grass and other perennial hosts of maize dwarf mosaic virus to disease spread and control.
6108

Some rice diseases suspected to be of virus origin in South Viet Nam.
6110

Genetics of and breeding for resistance to rice virus diseases.
6111

Investigations on certain virus diseases on pear tree in Bulgaria.
6112

A rapid colorimetric method for the determination of tobacco mosaic virus concentration in plant saps.
6119

Rubbery wood disease becomes more extensive.
6121

Concluding remarks on the virus diseases of the rice plant.
6122

Virus diseases of rice in Thailand.
6125

Studies on the transmission of pea leaf roll virus by Myzus persicae (Sulz.).
6132

Virus diseases of celeriac and carrots in Europe.
6133

Vegetable diseases, II. An aid to identification and control.
6136

Effect of virus on the rice plant.
6137

Scientists find the cause of the bean wilt disease.
6147

On the significance of the Lygus species as a plant pest.
6154

Mycoplasma-like bodies in the salivary glands of insect vectors carrying the aster yellows agent.
6191

Effect of rice-pathogenic viruses on their insect vectors.
6216

Vectors of rice viruses in Asia.
6228

Controlling peach yellows in a peach breeding program.
6232

Insects and diseases of vegetables in the home garden.
6242

Host range studies of oat blue dwarf virus.
6274

Developmental tendencies in phytonematology.
6308

Burning weeds in drainage ditches to suppress populations of green peach aphids and incidence of beet western yellows disease in sugarbeets.
6395

Sources of tolerance to soil-borne oat mosaic virus from the World Oat Collection.
6602

Tobacco stalk and root destruction with herbicides and their effect on tobacco mosaic virus.
7249

Flavone composition, flowering, and hypersensitivity to virus in vegetables.
7281

The effect of potassium on the metabolism of sugar beet plants infected with sugar beet yellows virus. Part II. Net assimilation rate and sugar production.
7315

The effect of potassium on the metabolism of sugar beet plants infected with sugar beet yellows virus. Part I. Water balance and the optake of some mineral nutrients.
7316

VIRUS HEPATITIS

Virus hepatitis of ducks. 6. Communication: Passive immunization of ducklings by vaccinating parent ducks.
6858

VIRUS MUTATION

An X-ray diffraction study of a tobacco mosiac virus mutant.
5861

VIRUS X

The respiratory pathways of tobacco leaves infected with potato virus x.
5918

Respiration of tobacco leaves infected with different strains of potato virus X.
5919

Purification of potato virus X and preparation of infectious ribonucleic acid by degradation with lithium chloride.
5930

Etiology, symptomatology and epidemiology of a virus disease of cultivated mushrooms.
6069

Tests on the behavior of X and Y viruses of some rieties of potatoes, important in Brazil.
6079

VIRUS Y

Shifting of virus Y from stems to tubers in dependence on the plant age.
5874

Tests on the behavior of X and Y viruses of some rieties of potatoes, important in Brazil.
6079

VIRUSES

Serological identification.
5280

Pathogens of the gypsy moth.
5289

The problems associated with the standardization of insect viruses.
5361

Suitability of pathogens for biological control.
5452

The natural and artificial dispersion of pathogens.
5561

Parasites as vectors of granulosis virus of Hadena sordida Bkh.
5599

The study of virus epizootics in insect populations.
5625

Basic functions in Bacillus thuringiensis affecting its mode of pathogensis.
5636

Virus enhancement with a growth product of Streptomyces scabies. I. Production and properties of scaben.
5810

Virus enhancement with a growth product of Streptomyces scabies. II. Increased release of coxsackievirus B5 from hEp-2 monolayers treated with scaben.
5811

Aspects of the industrial production of microbial insect control agents.
7404

VISCERA

Reduction of flight organs in some cryptobrachypterous Lygaeidae (Hem., Het., Lygaeidae).
5398

Chronic panleukopenia in cats.
6565

Visceral cysticercosis in bovine animals.
7000

VISION

Medium and long-term changes in the behavior of visual neurones in the tritocerebrum of locusts.
5371

Colour vision and colour preference in the tropical eye-fly.
5494

Optical orientation mechanisms in the homing behavior of Cataglyphis bicolor Fab. (Formicidae, Hymenoptera).
5671

VITACEA

A study of the synthesis of lysopine from lysine by crown-gall tissues.
5994

VITAMIN A

Further studies on avian biliary cirrhosis with particular reference to aetiology.
6590

Hypovitaminosis A and hypomagnesaemia of swine.
6882

VITAMIN B6

On the behavior of xanthurenic acid in rabbits treated with massive doses of pyridoxine.
7203

VITAMIN D

Influences of an anti-ovulatory compound on the expression of vitamin D deficiency signs in laying hens.
6518

VITAMIN E

Medium-chain triglycerides as a stress factor in vitamin E deficiency of chicks.
6502

Dietary hepatic necrosis associated with selenium-vitamin E deficiency in swine.
6723

VITAMINS

Effect of the age of pollen used in pollen supplements on their nutritive value for the honeybee-II. Effect of vitamin content of pollens.
5347

VOLATILE SUBSTANCES

The alarm-defence system of the ant Acanthomyops claviger.
5553

Substances that attract caged honeybee colonies to consume pollen supplements and substitutes.
5565

Persistent pesticides.
7083

Retention and vooatilization of lindane and DDT in presence of organic colloids isolated from soils and leonardite.
7129

Chemistry of pesticides. (JPRS 47038)
7360

Immobilizing insects by sudden reduction of body temperature. Patent 3,446,892. 7377

VOLUMETRIC ANALYSIS
The precision of virus end-point determinations. 6458
Enzootic abortion and sterility from bovine leptospirosis in the Po valley. 6488
High praise for low volume insecticide spraying. 7136

WALNUTS
Codling moth control with carbofuran. 5547

WARFARIN
Anticoagulant resistance. (Part 2). 6640
Tolerance status of some rats to an anticoagulant rat poison. 7038
Anticoagulant resistance in Europe. 7040
Thieves in the poultry house. 7041
Control of rodents. 7043
Cortisone nephropathy in the rabbit. The effect of warfarin administration. 7195
The effect of sex and age on the response to warfarin in a non-inbred strain of mice. 7198

WATER
Effects of temperature on Drosophila--V. Weight and water, protein and RNA content. 5247
Gas-liquid chromatography analysis of DDT metabolism in Aedes aegypti. 5370
Laboratory tests of larvicides for mosquito control in potable waters. (abstract). 5389
The relations between transpiration, humidity reaction, thirst and water content in the shorebug Saldula saltatoria L. (Heteroptera: Saldidae). 5443
Effect of starvation on the scorpion Palamnaeus bengalensis. 5612
Salivary secretion in the cattle tick as a means of water elimination. 5641
Cuticular water pump in insects. 5681
Apple scab, pecan scab, and the duration of leaf wetness. 5878
Botran used as an orchard spray vs. Botran in the hydrocooler and control of post-harvest decay of peaches. 5904
Common aquatic weeds. 6398
Pesticide residues; history, alternatives and analysis. 7138
Effects in warmblooded animals of thiometon (2-ethylthioethyl o,o-dimethylthiophosphate) ingested in drinking water. 7149
Fungal polysaccharide composition and method for making same. Patent 3,436,311. 7244
Gas chromatographic analysis of dalapon in water. 7342

WATER ANALYSIS
Strontium-90: Concentrations in surface waters of the Atlantic Ocean. 7070
DDT: The critics attempt to ban its use in Wisconsin. 7071
Water pollution and agriculture. 7075
Interaction of pesticides with natural organic material. 7081

WATER CONSUMPTIVE USE
Uptake of atmospheric water by the hen flea Ceratophyllus gallinae (Schrank). 5377

WATER POLLUTION
Effects on aquatic insects of forest spraying with phosphamidon in New Brunswick. 5336
Effects of forest spraying with DDT on aquatic insects of salmon streams in New Brunswick. 5380
These weeds mean trouble. 7042
DDT: The critics attempt to ban its use in Wisconsin. 7071
Environmental pollution: Scientists go to court. 7072
Water pollution and agriculture. 7075
DDT: Criticism, curbs are on the upswing. 7077
Pesticides: Transatlantic movements in the Northeast trades. 7079
Effects on wild young salmon of spraying DDT over New Brunswick forests. 7103
Effects of forest spraying with DDT in New Brunswick on food of young Atlantic salmon. 7111
Fish losses after forest sprayings with insecticides in New Brunswick, 1952-62, as shown by caged specimens and other observations. 7112
Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary. 7113
Toxicities of two insecticides to young coho salmon. 7210
Influence of simazine on apparent photosynthesis of aquatic plants and herbicide residue removal from water. 7305
Degradation of gamma-BHC in simulated lake impoundments as affected by aeration. 7362

WATER TREATMENT
Water management units and shore line modifications used in mosquito control investigations. 5768
Biological investigations of an infiltration area and experiments with some algicides. 7076

WATERMELONS
The occurrence of wilt in watermelon in the state of Sao Paulo. 5901
Susceptibility of watermelon cultivars to watermelon mosaic virus-2. 6091

WATERSHED MANAGEMENT
Water management units and shore line modifications used in mosquito control investigations. 5768
Salt marsh mosquito control in relation to beef cattle production: A preliminary report. 6904

WAXES
The germination of conidia and the appressoriun formation of Alternaria porri on the surface of onion leaves. 5860

WEATHER
A summary of forest and shade tree insect-disease conditions for Maine 1967. 4979
The flight times of some nocturnal moths. 5365
The relations between transpiration, humidity reaction, thirst and water content in the shorebug Saldula saltatoria L. (Heteroptera: Saldidae). 5443
Crop protection; computers, simazine, corn seed beetle. 5780
It takes more than tender, loving care to prevent blackspot. 5870
Wheat and stem rust - specialist advice. 5958
Trends in disease. 6000
Results of tests of fall colza varieties 1963-1966. 6120
Leafspot of gardenia. 6126
Alfalfa insects in Ohio. 6158
Weed control in field brassica crops. 6321
Ten keys to herbicide effectiveness. 6342
Soil factors contributing to atrazine carryover. 7084
Aflatoxin in the groundnut crop at harvest in Northern Nigeria. 7185

WEED CONTROL
The sugar beet. 5791
Breeding and management of forage crops in the Eastern Plains. 5797
Cotton as a supplement to tobacco. 5807
Soya beans - practical aspects. 5830
Are herbicides doing their job. 6311
Weed control and the economics of direct reseeding. 6318
Progress in witchweed control seen as pest fails to spread. 6319
Weed and brush control for drainage ditches. 6320
Herbicide versus cultivation for corn with two methods of seedbed preparation. 6343
Weeds. 6344
Chemical weed control in tropical root crops. 6352
Test weed killers yourself. 6353
Nagal Thakaran no longer worries about weeds. 6361
Broadleaf weed control in rice. 6370
Chemical weed control in groundnuts. 6374
Water hyacinth: Noxious weed that must be checked. 6379
Weed control in turf. 6382
Pre-emergence weed control in the nursery. 6383
Alligatorweed found in Arkansas. 6384
Influence of agrotechnical and chemical treatments on the changeableness of field plant associations. 6389
Study of certain herbicides against weeds in garden peas. 6392

Common aquatic weeds. 6398

Experimental husbandry farm experience with herbicides and tillage systems for cereal growing. 6399

These weeds mean trouble. 7042

Will the use of 2,4,5-T to control streamside vegetation contaminate public water supplies . 7078

Some factors affecting germination and seedling growth of scotch thistle (Onopordum acanthium L.). 7293

New equipment answer to demand for improved herbicide product. 7387

WEEDS

Growing vegetables in South Dakota. 5832

The weed vegetation of flower beds and irrigated cultivations in Cairo and some adjacent provinces. 5837

Vegetative reproduction in western ironweed. 5839

Are herbicides doing their job . 6311

Proclaimed noxious weeds in Victoria. 6312

Proclaimed noxious weeds. 6313

Weeds and man. 6325

Problems of herbicide treatments in the potato crop. 6327

Microsporogenesis of the bird's-foot trefoil (Lotus corniculatus L.). 6329

Results from experiments with herbicides for weed control in pea grain crops grown in Dobroudja. 6336

The effect of three fumigants on natural weed infestation in a tobacco seed bed. 6337

Weeds. 6344

Weed problems now and in the past. 6351

Chemical weed control information for North Carolina, 1969. 6357

Experiments on the use of new chemicals in weed control in maize. 6367

Influence of certain insecticides applied for the control of Ostrinia nubilalis Hbn. on the weeds of treated surfaces. 6372

Control of undesirable vegetation. Patent 3,436,207. 6386

The influence of increasing doses of simazine upon the rate of root and green parts growth of some weeds occuring in the winter wheat stand. 7307

Pesticide chemicals; a programmed text. TP248.P47C6. 7419

WEIGHTS

Effect of paddock size, stocking rate, anthelmintics, and trace elements on the weight gain of young cattle. 6828

WESTERN EQUINE ENCEPHALOMYELITIS VIRUS

Survival of western equine encephalitis virus in Triatominae. 5761

Attempts to induce recombinant somatic cells in chicken erythrocyte chimaeras by repeated injection of western equine encephalomyelitis virus. 6660

WESTERN NORTH AMERICA

New species of Pheidole from Pacific Coast Islands (Hymenoptera: Formicidae). 5050

WESTERN YELLOWS

Burning weeds in drainage ditches to suppress populations of green peach aphids and incidence of beet western yellows disease in sugarbeets. 6395

WHEAT

Controlling insect pests in header-harvesters. 5678

Copper and manganese content in different varieties of spring and winter wheat. 5783

Results of tests of wheat varieties as to their resistance against grain diseases, carried out in the reclaimed land of the North East between 1961 and 1964. 5875

Saprophytic survival of Ophiobolus graminis on various hosts. 5889

Breeding for Septoria and Fusarium resistance in wheat. 5925

The occurrence and observation of Puccinia striiformis in the State of Washington. 5935

Wheat and stem rust - specialist advice. 5958

Controlling diseases of dwarf wheats. 5980

Experiments on the control of cereal smuts with a derivative of 1,4-oxathiin. 5987

Notes on the appearance in France of Ophiobolus graminis, avenae variety. 5995

Chromosome location and linkage studies involving the Pm3 locus for powdery mildew resistance in wheat. 6013

Studies on the natural accumulation of loose smut infection on wheat - Ustilago tritici (Pers.) Jensen. 6020

The problems of plant disease control. 6034

Control of survival of Ophiobolus graminis between consecutive crops of winter wheat. 6072

Retention and transformation of anhydrous ammonia in soil and effects on foot rot Fusaria. 6088

Investigations on yellow rust in wheat and barley, 1962-1965. 6096

Some aspects of Fusarium infection of wheat seeds. 6107

Alternate hosts of the greenbug. 6170

Dryfarm wheat insects. 6208

DDT-C14 translocation in alfalfa. 6270

Nagal Thakaran no longer worries about weeds. 6361

Studies on stored grain fungi. Part I.--Fungi from wheat and rice from Karachi. 7026

The effect of herbicide residue in the soil on the yield of winter wheat. 7123

Insecticide residues in spring wheat plants grown in the field from seed treated with aldrin or heptachlor. 7132

Applicability of mildew-infested wheat to feeding.- Short communication. 7214

Effect of the moisture content and post-irradiation temperature on the radiosensitivity of wheat and barley seeds. 7239

The influence of increasing doses of simazine upon the rate of root and green parts growth of winter wheat. 7306

The influence of increasing doses of simazine upon the rate of root and green parts growth of some weeds occuring in the winter wheat stand. 7307

Lodging in wheat and its control by (2-chloroethyl) trimethylammonium chloride (CCC) in solid form. 7308

Effects of 2-chloroethyl-trimethylammonium chloride (CCC) on yield and lodging of wheat. 7313

The influence of CCC on disease contraction of grain. 7322

WHEAT GERM

Artificial diet for cecropia and other saturniid silkworms. 5560

WHITE MUSCLE DISEASE

Influence of sulfur on incidence of white muscle disease in lambs. 6865

WHITE ROT

Control of Armillaria mellea with systemic chemicals. 6018

WILDLIFE

Results of microbiological examination of reservoir animals in the west Slovakia region for tularemia. 6701

Investigations on the incidence of rinderpest virus infection in game animals of n. Tanganyika and s. Kenya 1960/63. 6769

Studies on the epizootiology of rinderpest in blue wildebeest and other game species of northern Tanzania and southern Kenya, 1965-7. 6840

Pesticide residues; history, alternatives and analysis. 7138

Fish and Wildlife Act of 1956 as amended; an excerpt from title 16 of the United States Code. 7420

WILDLIFE DISEASES

On the effect of Sevin on sexual functions of warm-blooded animals. 6439

Rabies, disease of today. Its new etiological and epidemiological aspects. 6519

More abstracts of papers presented at the 1967 Annual Wildlife Disease Conference Urbana, Illinois June 15-16, 1967. 6533

Four cases of systemic mycosis in cervids. 6577

Staphylococcus epizootic in western Oregon cottontails. 6712

Detection of complement fixing antibody to the agents of tick typhus fever of northern Asia and Q fever in wild animals of the extreme north of western Siberia. 6810

WILT

Diseases and pests of coconut in Kerala. 5814

Arsenal for disease control. 5864

The occurrence of wilt in watermelon in the state of Sao Paulo. 5901

Verticillium wilt of groundnut in Israel: Screening for varietal resistance. 5931

Studies with two systemic fungicides, benlate and thiabendazole. 5962

Betel's wilt disease can be kept under control. 6025

Sorbic acid as an inhibitor of the Fusarinm vasinfectum fungus, which induces wilt in the cotton plant. 6030

Diseases of pulses pose a challenge to plant pathologists, breeders. 6047

Fusariosis of the legume crops in Lithuania. 3. Main forms of lupine fusariosis and its distribution. 6065

Considerations on the resistance of varieties of tomatoes to Fusarium wilt. 6080

Scientists find the cause of the bean wilt disease. 6147

WILT (COCONUTS)
A note on the anatomical derangement in the root tissue of root (wilt) diseased coconut palm. 5383

WIND
Effect of climatic factors on the susceptibility of insects to insecticdes. 6251

WINDBREAKS
Synecological studies of soil macroentomofauna in two different agricultural biotopes. 5332

Faunal and zoocenological analysis of the soil insect communities in the ecosystem of shelterbelt and field. 5333

WINGS (INSECTS)
The wing mechanism involved in the courtship of Drosophila. 5219

Reduction of flight organs in some cryptobrachypterous Lygaeidae (Hem., Het., Lygaeidae). 5398

Wing reduction in endemic Hawaiian psocids. 5643

Environmental and genetic variations of wing size, cell size and cell division rate, in Drosophila melanogaster. 5700

WOOD
The action of calcium cyanamide on the development of some basidiomycetes of wood. 5941

WOOD BORERS
Estimation of marine-borer attack on wooden surfaces. 7046

WOOD DURABILITY
Natural durability of some woods used in Hawaii; preliminary findings. 5843

WOOL
Animal science. 6442

WOOL FAT
Investigation of sheep dips. 3. The influence of breed on stripping and deposition in the fleece of diazinon. 7124

X-RAY DIFFRACTION
An X-ray diffraction study of a tobacco mosiac virus mutant. 5861

X-RAYS
X-ray analysis of hyphal and sclerotial walls of Sclerotium rolfsii Sacc. 5059

The mutagenic effect of 600 MeV protons in Drosophila melanogaster. 5717

Relationships of X-irradiation to the enhancement of Candida albicans infections. 6599

XANTHINE DEHYDROGENASE
Effects of the inhibitor of xanthine dehydrogenase, 4-hydroxypyrazolo(3,4 d)pyrimidine (or HHP) on the red eye pigments of Drosophila melanogaster. 5232

XANTHIUM ORIENTALE
Proclaimed noxious weeds. 6313

XANTHOMONAS
Bacterial blight disease of Cynodon dactylon pers.. 5912

XANTHOMONAS ORYZAE
Screening rice varieties for resistance to bacterial blight. 6093

XANTHURENIC ACID
On the behavior of xanthurenic acid in rabbits treated with massive doses of pyridoxine. 7203

XENOPSYLLA
A note on the feeding mechanism of two fleas. 5283

XENOPSYLLA CHEOPIS
A note on the feeding mechanism of two fleas. 5283

Effect of differences in ambient temperature upon the fate of Pasteurella pestis in Xenopsylla cheopis. 6894

XYLEBORUS
The distribution and host-range of the Shot-hole Borer (Xyleborus fornicatus Eichh.) of tea. 5278

XYLEM
Nitrogenous compounds in the xylem sap of American elms with Dutch elm disease. 6083

XYLORYCTES JAMAICENSIS
The calcium sensitivity of ATPase activity of myofibrils and actomyosins from insect flight and leg muscles. 5456

Diseases and pests of coconut in Kerala. 5814

YAMS
Tropical nematology. 6305

YEAST CULTURES
Nutritional behavior of Trogoderma granarium Everts (Coleoptera: Dermestidae) on leguminous seeds. 5230

YEAST SPOT
Isolation of the organism causing yeast-spot disease from the salivary system of the green stink bug. 6176

YEASTS
The toxic action of Bacillus thuringiensis exotoxin on Drosophila reared in yeast-containing and yeast-free media. 5221

Yeasts and yeast-like fungi in the genital organs of cows and heifers. V. Genital candidiasis and abortions caused by yeasts belonging to the genera Candida, Trichosporon and Saccharomyces. 6608

Antifungal action of a phosphate ester pesticide, O-Mchlorophenyl O,O-dimethyl phosphorothioate, used in nutrient media for fungi. (abstract). 7175

YELLOW DWARF
The present status of virus diseases of rice in Ceylon. 5858

Dwarf, yellow dwarf, stripe, and black-streaked dwarf diseases of rice. 5968

Some observations on tobacco yellow dwarf control. 6033

Varietal resistance to stripe, dwarf, yellow dwarf, and black-streaked dwarf. 6064

Genetics of and breeding for resistance to rice virus diseases. 6111

Virus diseases of rice in Thailand. 6125

YELLOW MOSAIC
Studies on resistance to yellow mosaic in barley. II. Comparison of varietal reactions to the viruses of different sources and relation between disease symptom and damage. 6103

YELLOW MOSAIC VIRUS
Changes of plastids which arise under the influence of turnip yellow mosaic virus. 6016

YELLOWS
Relation of beet yellows virus to the phloem and to movement in the sieve tube. 5923

Transitory yellowing of rice in Taiwan. 6097

Investigations on certain virus diseases on pear tree in Bulgaria. 6112

Leafhopper transmission of transitory yellowing of rice. 6167

Controlling peach yellows in a peach breeding program. 6232

The effect of potassium on the metabolism of sugar beet plants infected with sugar beet yellows virus. Part II. Net assimilation rate and sugar production. 7315

The effect of potassium on the metabolism of sugar beet plants infected with sugar beet yellows virus. Part I. Water balance and the optake of some mineral nutrients. 7316

ZEBRA DISEASE
Investigations on chemical control of zebra disease in Agave hybrid no. 11648. 6036

ZEBU CATTLE
Susceptibility of European Zebu crossbred cattle to lapinsed rinderpest vaccine. 6484

Trypanotolerant cattle, Breeding in Central African Republic. 6550

ZECTRAN
Carbamate and phosphate resistance in adult granary weevils. 5716

ZEIRAPHERA DINIANA
The influence of light and temperature variations on the behavior and fecundity of the larch-bud moth Zeiraphera diniana (Gn.) (Lepidoptera: Tortricidae). 5467

ZEUZERA PYRINA
Biology and control of leopard moth on pear trees in the United Arab Republic. 5294

ZIERIA ARBORESCENS
Zieria arborescens (stinkwood) intoxication in cattle. 7188

ZINC
Zinc deficiency may limit maize yields. 6075

Recent trends in disease control in coffee. 6099

Identifying manganese deficiency in avocado trees. 6124

Effect of a soluble fraction of oil seed meals on uptake of 65Zn from ca.mg.65Zn.phytate complexes by the chick'. 6690

Influence of magnesium and zinc fertilizing on the yield, quality as well as health of hops. 7266

ZINC BACITRACIN
Effects of dimetridazole and antibiotics on growth and reproduction in turkeys. 6415

ZINC PHOSPHIDE
Note on the evaluation of the efficacy of rodenticides. 7044

ZINC PROPYLENEBIS(DITHIOCARBAMATE)
Fungistatic and fungicidal effects of certain organic products on some fungi causing diseases in vegetables. 5899

ZINC SULPHATE
Khaira disease of rice and its control. 6028

Zinc deficiency may limit maize yields. 6075

The distribution of trace elements in the leaves of the coconut palm, and the effect of trace element injections. 7297

ZINEB
Fungistatic and fungicidal effects of certain organic products on some fungi causing diseases in vegetables. 5899

Potato early blight and storage rot. 5911

Controlling diseases of dwarf wheats. 5980

Lemon scab (Sphaceloma fawcettii scabiosa). 6029

Tomato leaf mould: Its assessment and effects on yield. 6089

Ergot disease of bajra--its symptoms and control. 6100

ZIRAM
Ergot disease of bajra--its symptoms and control. 6100

ZIRCONIUM COMPOUNDS
Zirconium compounds as algaecides. Patent 3,446,656. 7336

ZOOGEOGRAPHY
Soviet entomology during the period 1917-1967. (JPRS 43,647) Transl. 16962. 4966

New species of chironomids (Diptera, Chironomidae) from Yashil-kul and Bulun-Kul lakes (Pamirs). 4982

Bees of the Nevada Test Site. 4986

Lepidoptera of the Nevada Test Site. 4987

Argas (Secretagas) transgariepinus White, 1846, new tick for France and Algeria. 4995

A probable troglobiont Pseudochthonius (Pseudoscorp.) from Brazil. 4996

Two variant females of Colias (Zerene) cesonia (Pieridae). 4997

Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. LXV. Lepidoptera Hesperiidae. 4998

New Lamiidae from the British Museum (Natural History), (Coleoptera, Cerambycidae). 5002

Systematic revision of the species of the genus Oberea Mulsant all over the world. (Coleoptera Cerambycidae). Second part. 5003

Systematic revision of the species of the genus Oberea Mulsant all over the world. (Coleoptera Cerambycidae) Third part. 5004

Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. XLIV. Coleoptera Elminthidae. 5016

A revision of the leafhopper genus Macropsidius Rib. (Hom., Auchenorrhyncha). 5018

New and so far undescribed Cicadellidae species from Rumania and Italy (Hom., Auchenorrh.). 5019

The Imbecillus and Rufus groups of the spider genus Philodromus in North America. (Araneida: Thomisidae). 5020

Two Noctuidae new for the fauna of Belgium. 5022

Malayoglyphus intermedius n. g., n. sp., a new mite from house dust in Singapore and Djakarta (Pyroglyphidae: sarcoptiformes). 5028

Chironomus strenzkein. sp. (Chironomidae, Dipt), a new laboratory animal. 5031

Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. LXXVIII. Lepidoptera: Nymphalidae, Danaidae and Riodinidae. 5034

The genus Plectris (Philochlaenia) (ColeopteraMelolonthinae). 5035

New Melolonthids (Col.). 5036

Two new Galerucinae from Nainital district (Coleoptera-Chrysomelidae). 5039

The genus Protogamasellus Karg (Acari) with descriptions of new species and subspecies from the Ethiopian Region. 5040

Five tydeid mites from Israel (Acarina: Prostigmata). 5041

The spider genus Loxosceles in South America (Araneae, Scytodidae). 5042

Beetle finds in the South Ticino, July 1964. 5043

New species of Pseudosinella from caves (Insecta: Collembola). 5045

The Alysiinate (Hym. Braconidae) parasites of the Agromyzidae (Diptera). V. The parasites of Liriomyza Mik and certain small genera of Phytomyzinae. 5051

The species of the sub-family Cassidinae (Chrys., Col.) in Bulgaria. 5052

A new species Chrysomela rufoaenea SUFF. for the fauna of Bulgaria from the collection of the Zoological Museum in Sofia, Chrysom., Col. 5053

Notes on the Trigonoderus-group (Hym., Chalcidoidea). 5056

Burmese Ichneumoninae IV. 5057

New African Ennominae (Lep. Geometridae). 5062

A new genus of European butterflies (Lep. Lycaenidae). 5063

An undescribed European butterfly:(Lep. Satyridae). 5064

The genus Lasiodactylus Perty in Japan (Coleoptera: Nitidulidae). 5067

Descriptions of new species of the family Encyrtidae from Czechoslovakia (Hym., Chalcidoidea). II. 5068

New combinations affecting the genus Aiolopus (Orthoptera: Acridoidea) and a description of a related new genus and species from Australia. 5071

Descriptions of two new aphid species (Sitobion equiseti sp. n. and Linosiphon asperulophagus sp. n.) from Czechoslovakia (Homoptera, Aphididae). 5072

A larva of Citheronia sepulchralis (Citheroniidae) from New Jersey. 5073

The synonymy in Citrinophila Kirby and further notes on Epitola Westwood and A laena Boisduval (Lepidoptera: Lycaenidae). 5075

Hadrodactylus branderi n. sp. (Hym., Ichneumonidae) from Finland. 5076

Orthoptera-Caelifera from northern Kenya and Jubaland. IV. Acrididae, s. str.: Calopteninae, Euryphyminae, Eyprepocnemidinae, Catantopinae, Cyrtacanthacridinae. 5080

Ixodes (Lepidixodes) kopsteini Oudemans, 1925, valid name for I. (L.) paradoxus Kohls and Clifford, 1961, with notes on distribution and hosts (Acarina: Ixodidae). 5083

Proteleas, a new genus of Scelionidae with three new species from the USSR. 5085

Contribution to the study of Aphididae (Hom) of the French forests. 5087

On the presence in France of Nearctaphis bakeri Cowen, a dangerous pest of cultivated clover in the U. S. A. (Homoptera, Aphididae). 5089

Notes on some new or little known Lucanidae Coleoptera. 5091

New descriptions of Psorergate species (P-sorergatidae: Trombidiformes). 5093

Catalogue of the Oedemeridae of Italy (Coleoptera). 5095

Coleoptera from northeast Africa. Cicindelidae and Carabidae: Carabini. 5096

Description of a new species of the genus Bovicorina Delamare Deboutteville 1947 (Collembola, Symphylla) and a key for identification of the species in the genus. 5097

First records of two butterflies in Wisconsin (Nymphalidae, Pieridae). 5098

Cosymbia pupillaria Hbn. at an altitude of 3200 meters. 5099

The genus Cairnsimyia Malloch (Diptera, Heleomyzidae, Rhinotorini). 5100

Notes on some larval and pupal chironomids (Diptera) from Lake Kariba, Rhodesia. 5101

Some remarks on the tampans of the Ornithodoros moubata complex in southern Africa. 5102

Parachernes (Arachnida, Chelonethida, Chernetidae) from the coast of North Carolina. 5107

Distributional and biological notes on the tree hole mosquitoes of the western United States. 5112

The genera of Palearctic Tortricidae. II. The subfamily O lethreutinae 7th part. Eucosmini (H einr. 1923) tribe--continuation. 5115

Notes on Rhynchocephalus tauscheri Fischer (Diptera: Nemestrinidae).
5116

Systematic entomology: Distribution of insects in the Pacific.
5117

New Thysanoptera from central Asia (U. S. S. R.).
5118

Two new species of Oedaleothrips (Thysanoptera) from Asia.
5119

A new species of Poecilmitis Butler (R-hopalocera) from the South Western Cape.
5120

Genera and species of the Dermaptera. 10. Forficulinae (Forficulidae).
5122

Genera and species of Dermaptera (9) Opisthocosminae (Forficulidae).
5123

A new species of Trachysphyrus from the Andes of Ecuador (Hymenoptera, Ichneumonidae).
5124

New description of palearctic Scrobipalpa species. (Lepidoptera, Gelechiidae).
5126

New and known Dermaptera from south India with two generic records new to India.
5129

A redescription of the type specimen of Crotonia (0Acronothrus) obtecta (O. Pickard-Cambridge, 1875), (Acari, Cryptostigmata) and a discussion of its taxonomic relationships.
5130

North American species of Taeniopteryx (Plecoptera, Insecta).
5132

What is Pieris dubiosa Rober (Lep., Pieridae).
5133

A revision of the Neotropical species of the moth genus Glena (Lepidoptera, Geometridae).
5135

South American Thrombidiidae. II. Chyzerini Thrombidiinae; solenocyte taxonomy of the palpus in several Thrombidii a ; th r latio-ship between Podothrombium Berlese 1910 -- Variathrombium n. g., and Thrombidiinae.
5137

Contribution to the fauna of the Congo (Brazzaville). mission A. Villiers and A. Descarpentries. XLVI. Lepidoptera, Attacidae.
5138

Preliminary note on a review of subgenus Taeniothrips (Isochaetothrips) (Thysanoptera: Thripidae).
5139

New contribution to the knowledge of the Italian Psychodidae (Diptera).
5141

The identity of Naphius seed bug pests in Africa (Hemiptera: Lygaeidae).
5143

Key for the determination of species from U.S.S.R. belonging to the genus Scolytus Geoffroy (Scolytidae, Coleoptera).
5145

Two new species of Praon Haliday from Czechoslovakia (Hym., Aphidiidae).
5146

Entomological results of catches in the area of San Bernardino (Misox Gr), which has not been fully explored lepidoterologically. (A building block of the Swiss Lepidoptera fauna).
5147

The bumblebee fauna in the neighborhood of the Kuku-Nor. (Hymenoptera, Bombinae).
5155

On some Sphecoidea from the Ryukyus (Hymenoptera).
5157

A re-assessment of the genera Holorusia Loew (0Ctenacroscelis Enderlein), Ischnotoma Skuse and Zelandotipula Alexander (Diptera: Tipulidae), with notes on their phylogeny and zoogeography.
5161

A revision of the Nedtropical genus Metamasius (Coleoptera, Curculionidae, Rhynchophorinae).
5162

The establishment ofa lectotype for Leptotrombidium (Leptotrombidium) akamushi (Brumpt, 1910) (Acarina: Trombiculidae).
5163

Spider wasps of Finland (Hym., Pompiloidea).
5171

A review of Simulium (Pternaspatha) Enderlein (Simuliidae, Diptera).
5173

The morphology and systematic of Coptopteryx gayi (Blanchard) 1851 (Mantidae).
5176

Hughes virus from Trinidadian ticks and terns.
5188

Observation on Laspeyria pactolana Zell.: A pyralid of verticillate Picea.
5214

Notes on some Nematinae from Czechoslovakia (Hym., Tenthredinidae).
5218

New contributions to the study of chalcids in the Socialist Republic of Rumania (XIV).
5234

A redescription of Pteronyssoides tyrrelli (Canestrini, 1899). A feather mite from the tree swallow (Acari-Acariformes).
5241

Life history notes on Lithophane subtilis (Noctuidae).
5270

The distribution and host-range of the Shot-hole Borer (Xyleborus fornicatus Eichh.) of tea.
5278

Studies on interspecies competition between the azuki bean weevil and the southern cowpea weevil. III. Some characteristics of strains of two species.
5318

Final report, studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan; June 1961-June 1966. Part I. Scale insects.
5323

Final report, studies on scale insects, fruit flies and mites, and their natural enemies in West Pakistan. June 1961 - June 1969. Part II. Fruit flies.
5324

VPI cockroach research.
5339

Bibliography of New Guinea entomology.
5341

On the biology of Simulium damnosum Theobald, 1903, the main vector of onchocerciasis in the Mahenge Mountains, Ulanga, Tanzania.
5360

Heterotylenchus spp. parasitising the Australian bush fly: Additional information on the origin of the parasite of the face fly.
5375

Biosystematics of Phytoseiulus persimilis AthiasHenriot (Acarina: Phytoseiidae).
5407

Notes on the Swedish species of the genus Centromerus F. Dahl. (Araneae, Linyphiidae). A faunistic report with ecological remarks.
5422

Cyclophora pupillaria Hb. in Belgium (LepidopteraGeometridae).
5438

The leatherjacket risk grows.
5447

The effect of reduction in stream flow on invertebrate drift.
5475

The Norwegian species of Dichrorampha Gn. Lep. Tortricidae.
5505

The beetles (Coleoptera) of Babia Gora Mountain (Polish Western Carpathians).
5518

Phytophagous mites; species of widest distribution in Argentina.
5540

Synoptic tables of larvae and imagos of the species of the family Chrysotribax Reitter. (Col. Carabidae).
5548

Mosquito collections in a high rainfall area of North Queensland, 1963-1964.
5626

Report of the Suffolk County Mosquito Control Commission.
5633

On the biology and ecology of the opilionid Mitopus morio F..
5644

On emergence times within the genus Polamorphylax Wallengren (Trichoptera, Linnephilidae).
5645

The occurrence of Argas japonicus and Ixodes lividus in Nagano Prefectur, Japan (Ixodoidea: Argasidae; Ixodidae).
5652

Homing in the ant Cataglyphis bicolor.
5672

New records and species of neotropical bark beetles (Scolytidae: Coleoptera).
5682

Erysiphaceae (Mycophyta) in the nature preserve of Cheile Turzii.
5871

Hosts and geographic distribution of Scirrhia pini--the cause of red band needle blight in California.
5895

Twig and branch mortality of American beech infested with oystershell scale.
6172

Description, damage and control of the southwestern corn borer.
6188

Aphytis mytilaspidis (Le Baron), a parasite of Parlatoria blanchardi (Targ) in the palm plantations of the Adrar region of Mauritania.
6211

A contribution to the study of the zoocecidia of Snowdonia National Park and adjacent parts of North Wales.
6212

Old pests with new appetites.
6215

The principle insect pests of beets and the means of their control in turkey.
6234

The conditions for occurrence of potato root eelworm (Heterodera rostochiensis Woll.) in Poland.
6302

The muskrat in Loire-Atlantique.
6410

On the agricultural importance of the rook (Corvus frugilegus L.).
6435

Long distance dispersal of seeds by retention in digestive tract of birds.
6436

Parasites of man and domestic animals in Vietnam, Thailand, Laos, and Cambodia. Host list and bibliography.
6437

The occurrence of the capillate louse, Solenopotes capillatus, in South Africa.
6887

A record of the mite, Speleognathus australis, in bovines in South Africa.
6888

Note on Bourgelatia diducta, Oesophagostomum longicaudum and Globocephalus urosubulatus (Nematoda-Strongylidea) in swine of Minas Gerais, Brazil.
6911

Basic,facts on the parasitic nematodes of the sheep (Ovis aries) in tunisia. **6915**

Contribution to the knowledge of parasitic fauna of domestic animals and some game in Vojvodina. **6945**

Regional research in nematode parasites of ruminants in the western United States, a 10-year summary, 1958-1968. **6949**

Brachylaima degiustii n. sp. from Columba livia in Venezuela. **6980**

Mass appearance at Brussels of Sitotroga cerealella Ol. (Gelechiidae). **7036**

The murids in the vicinity of Lake Kivu and neighboring regions (Central Africa) and their ecology. **7045**

ZOOLOGY
Zoological nomenclature in the Jet Age. **5577**

ZOONOSES
Zoonoses in india. **6667**

1-(1-NAPHTHYL)-2-THIOUREA
Note on the evaluation of the efficacy of rodenticides. **7044**

2,4-D
2,4-D metabolism. Enzymatic hydroxylation of chlorinated phenols. **5784**

2,4-D metabolism; enzymatic degradation of chlorocatechols. **5785**

Conversion of 4-(2,4-dichlorophenoxy) butyric acid to homologs by alfalfa; mechanism of resistance to this herbicide. **7264**

BIOGRAPHICAL INDEX

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6911

Abbott, A J
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7082

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5858

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4982

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6458

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6459

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5776

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6460

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6461

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6462

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6463

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6464

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6145

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5193

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4988

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4989

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BIOGRAPHICAL INDEX

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BIOGRAPHICAL INDEX

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6573

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BIOGRAPHICAL INDEX

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6871

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6277

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6132

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5680

Winks, R
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7019

Winston, P W
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5681

Witter, R L
Agricultural Research Service, East Lansing, Mich.; Poultry Research Branch
6872

Wittler, R L
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6873

Wittmer, W
Zurich, Switzerland
5170

Wolf, P
Deutsche Akademie der Landwirtschaften, Aschersleben,; East Germany; Inst. fur Phytopathologie
6133

Wolfe, E C
New South Wales Dept. of Agriculture, Australia
6874

Wolfenbarger, D A
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7215

Womack, H
Georgia Univ., Athens; Cooperative Extension Service
6278

Wong, H R
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5172

Wood, D E
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6875

Wood, I M W
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6400

Wood, S L
Brigham Young Univ., Provo, Utah; Dept. of Zoology and Entomology
5682

Woodcock, D
Bristol Univ., England; Organic Chemistry Section
7416

Woody, C O
Wisconsin University, Madison
6876

Woolf, C M
Arizona State University; Dept. of Zoology
5683

Wright, B J
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6877

Wright, J W
Michigan State Univ., East Lansing
6279

Wright, N G
Glasgow Univ., Scotland; Dept. of Veterinary Pathology
6878

Wuilleret, A
Abattoir Municipal, Geneva, Switzerland
7141

Wurgler, F E
Swiss Federal Inst. of Tech., Zurich; Dept. of Zoology
5684

Wygodzinsky, P
American Museum of Natural History, N. Y., N. Y.; Dept. of Entomology
5173

Wysong, D S
Nebraska Univ., Lincoln; Extension Service
6135

Wysong, D S
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6136

Yakovlev, S A
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7020

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5685

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5174

Yamvrias, C
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5686

Yaniv, Z
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6879

Yankov, A
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5687

Yasuo, S
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6137

Yathom, S
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6280

Yawalker, K S
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5853

Young, D C
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7386

Young, E
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6880

Youngman, W H
Evening Star, Washington, D. C.
5688

Yunus, A
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6281

Yurkiewicz, W J
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5175

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5689

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6139

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5773

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6881

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6140

Zapadnyuk, I P
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6882

Zapata, S
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5176

Zayed, S M A D
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5690

Zdarek, J
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5691

Zeeb, K
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6450

Zemskaya, A A
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6910

Zenner, I
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6282

Zilka, E
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6883

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6141

Zilsparne, A
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5692

Zimmerman, B
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5774

Zimmerman, E C
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5177

Zlotorzycka, J
Wroclaw, Poland
5693

Znidaric, D
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7021

Zook, B C
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6884

Zuckerman, B M
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6309

Zulinski, T
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6885

Zumpt, I F
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6886

Zvyagintseva, T V
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5694

Zwar, J A
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7321

Zwatz, B
Bundesanstalt fur Pflanzenschutz, Vienna, Austria
7322

Zwolfer, H
Commonwealth Institut of Biological Control, Delemont,; Schweiz; European Station
5695

AUTHOR INDEX

A Costa, H Mde 6911
Abbott, A J 5856
Abbott, C E 5178
Abbott, D C 7138
Abbott, H G 6406
Abd-el-Rehim, M A 5857
Abdelaziz, A M 6785
Abdullah, M 4980
4981
Abedi, Z H 7082
Abelson, P H 7083
Abeygunawardena, D V 5858
Abou-Donia, M B 7142
7323
Abramides, P 5589
Abrev, O C 5589
Ackermann, H 7324
Ackermann, O 6453
6454
Adam, N C 7325
Adamczewski, S F 5179
Adams, M S 5180
Adams, R M 5290
Adams, R R 5181
Adams, R S Jr. 7084
Adkins, T R 5320
Agarwal, J P 5853
Agbakoba, S C O 7219
Agosin, M 5182
5183
Agrawal, K D 7417
Ahlstrom, C G 6456
Ahmad Khan, S 6471
Ahmed, M 6800
Ahmed, S M 6143
Ahrens, J F 7085
Ahrorov, F 4982
Aitken, T H G 5188
Akahira, Y 5578
Akai, S 5860
Akesson, N B 5246
Akiba, M 7069
Akkermans, J P W 6457
Al-Khatib, G 7144
Alary, J G 7086
Alberto, M 6742
Albiser, G 5861
Albrechtsen, R S 5775
Alcorn, J L 5862
Alderdice, D F 7210
Aldrich, R C 6144
Aleandri, M 6414
Aleksandrova, A I 6770
Alender, C B 7199
Alexander, C 4983
Alexander, C P 4984
4985
Alexander, M 5784
5785
Alford, C F 5437
Alford, J A 7047
7066
Alikhan, M A 5189
Allan, W H 6458
Allen, D C 5033
Allen, I V F 7046
Allen, J L 5473
Allred, D M 4986
4987
Alls, A A 6459
Almand, L K 5236
Alt, K O 7341
Alteri, C H 5107
Altman, R M 5759
Alvord, E D 5776
5777
Amemiya, J 6460
Ames, E R 6912
Amrein, Y U 6461
Ananthakrishnan, T N 5190
Anders, F 5705
Anderson, D W 7108
Anderson, J M 7087
Anderson, L W 5405
Anderson, N V 6700
Anderson, R C 5191
5192, 6577
Anderson, R J 6462
Andrea, J 7160
Andreani, E 6463
6464
Angeles, N 6145
Ankersmit, G W 5193
Annecke, D P 4988
Ansari, M H 4989
Antonov, N 6425
Anufrieva, V N 5747
Anwar Shah, S A S M 6471
Anwarullah, M 7034
App, B A 5658
Apple, J W 6222
Applegate, H G 7137
Aragaki, M 5866
Archetti, I 6883
Arends, L G 6415
Arle, H F 6340
7222
Armiger, W H 7092
Armstrong, D E 7118
Arnastauskiene, T 6472
6473, 6960
Arndt, F 7344
Arneklev, D R 7331
Arnell, J H 5112
Arnold, D M 5235
5236
Arnott, H J 5197
Aronson, J F 5198
Aronson, J N 6474
Arora, S 6475
Arrieta, C B de P 6856
Artemenko, Yu G 6972
Asatani, M 5972
Asdrubali, G 6476
Asher, W C 5199
Ashour, W A 5867
Ashoush, I 5634
Askarova, S A 7221
Askew, J 7326
Askew, R R 4990
Aslamkhan, M 5696
Aspock, H 4991
Aspock, U 4991
Atkinson, R G 5868
Aulakh, K S 5869
Austen, K J 6841
Avakyan, A A 6477
Averbakh, M M 6478
Awad, F I 6479
Ayobe, M H 7187
Baarli, J 5717
Babad, H 7347
Babayants, G A 5200
Babo, K S 5201
Bachi, M D 7327
Badou, V 6948
Baehr, J C 5202
Baer, J C 6914
Bagent, J L 7030
Bagust, T J 6480
Bahrami, S 6754
Bai, B S 6150
Baid, I C 5203
Bailey, J C 6151
Bailey, L 5204
Baillie, D 5739
Baker, A A 6481
Baker, A S 5781
Baker, E 6482
Baker, E P 6013
Baker, H J 5748
Baker, R H 5696
Baker, R S 7222
Bakes, D B 5870
Balachowsky, A S 4992
Balazy, S 5205
Balinov, I 7091
Ball, R A 6483
Ball, S J 6629
Balloun, S L 6415
Balogun, R A 5206
Band, R M 4993
Bandeen, J 6322
Banerjee, B 5207
Bansal, R P 6484
6485
Banwart, G J 7048
Banziger, H 5749
Baranowski, R 7223
Barayeva, G M 5758
Barbier, M 6849
Barbora, D N 7159
7388
Barcina, A G 6294
Barkai-Golan, R 7025
Barker, K R 6285
Barker, L F 6486
Barksdale, B 5208
Barlow, C A 5209
5210
Barmina, L N 5772
Barney, G H 6870
Baron, F 7128
Barquet, A 7100
Barr, H T 6416
Barr, T C 5211
Barr, W F 4994
Barrat, J G 5782
Barrett, C C 5259
Barrett, J H 6152
Barrow, G J 5626
Barrows, H L 7092
Barry, J R 6341
Bartaria, A M 6113
Bartlett, B R 5212
Bartlett, F J 6153
Bartoszuk, W 5874
Basargin, N N 5783
Bassiouni, A A 6479
Bastos, A 6855
Batayev, S 7143
Batchelor, G S 7328
Baudry, N 5213
Bauers, C 6169
Baurant, R 5214
Bayer, D E 7262
Bayer, H O 6323
Bayer, R 5215
Baynes, I D 6487
Beard, W E 7129
Beardsley, R 5988
Beaucournu, J C 4995
Beaujean, M M J 5093
Beavers, J B 6265
Beccari, F 5216
Bech, M A 6903
Bech, R 6154
Bechet, M 5871
Beck, L D 6647
Bedard, W D 5217
Bedford, E C G 6155
Bedford, H W 5240
Bedi, G S 7392
Beer, J 7144
Behrens, R 6365
Behringer, J 6778
Beier, M 4996
Bekker, Z E 7247
Bell, E A 7311
Bellani, L 6488
Bellavita G, O 6324
Belschner, H G 6489
Benda, R 6632
Bendana, F E 7224
Benedetti, L M E De 6515
6516
Benedict, M 6609
Benedict, W G 5872
Benes, K 5218
Benitez de Rojas, C E 5907
Bennet-Clark, H C 5219
Bennett, D 4997
Bennett, E O 7380
Bennett, N H 5220
Benz, G 5221
Beranek, R 5222
Berchev, R 6490
Berg, P 6491
Berg, W A 7145
Berger, L A 4998
Bergstrom, Gunnar 4965
Berisford, C W 6156
Berman, D T 6628
Bernard, G D 5473
Bernard, J 6915
Berreur, P 5223
Berry, D M 6839
Berry, F H 5873
Berry, R D 6503
Berthold, R 5224
Berton, N 6464
Bertoni, M S 5180
Bertrand, H 4999
Besse, N de 5225
Bessonova, I V 5660
Betrem, J G 5239
Bettini, S 5226
Betz, R F 6325
Bey-Biyenko, G Y 4966
Bhander, D S 6050
Bhat, U K M 5227
Bhatia, B B 6759
Bhatia, G N 5228
Bhatnagar, R D S 5229
Bhattacharya, A K 5230
Bhumbla, D R 5805
Biache, G 5244
Bialy, G 6444
Bicher, H I 7179
Bickley, W E 6185
Bielawski, R 5000
Bienfet, V 6492
Biery, D N 6491
Bindra, O S 6157
Bingham, F T 7243
Bingham, S W 7305
Binns, W 6814
6815
Binot, H 6492
Birecki, M 5874
Birum, G H 7329
Bishop, C P 5231
Bisseru, B 7146
Bito, M 7310
Black, A L 7330
Black, D R 7383
Black, S H 5477
Blackburn, R D 6397
6398
Blair, B D 6158
Blinn, R C 7389
Bliss, A D 7367
Blood, F R 6870
Blyth, D 5830
Bocharnikova, I M 7365
Bockmann, H 5875
5876
Bogawat, J K 5623
Bogoroditskaya, V P 7147
Bohart, G E 5646
Boistel, J 5528
Bojarski, J 6493
Bokde, S 5853
Bolin, F M 6714
Bollag, J M 5784
5785
Boller, R A 7200
Boni, P 5232
Bootes, B W 6916
Boparai, J S 5233
Borcic, B 6623
Boroskova, Z 6917
Borredon, C 6779
6780, 6781
Bors, J 7223
Borshchenko, G P 5877
Bose, B N 7037
Bossche, H van den 6918
Bot, J 6240
Botev, S 6851
Bothun, R E 7314
Botoc, M 5234
Botticelli, S 6494
Bottrell, D G 5235
5236
Boughton, D C 6495
Boulay, C 5436
Boulter, D 7225
7255
Bourdin, P 6496
Bourke, P M A 5878
Bourke, T V 6159
Bouron, H 5879
6326
Boutibonnes, P 7226
Bouyx, L 5237
Bovey, P 5468
Bovey, R W 6331
Bowden, S R 5133
5697
Bowe, P A 6474
Bowen, V T 7070
Bowers, W S 5238
Bowling, J D 5880
Bozhko, G K 6936
Bozic, D 7227
7269
Bozkov, D 5001

Bracken, W J 6525
Bradley, J C 5239
Bradley, J R 5338
Bradley, R E 6919
Bradley, W B 7049
Bramble, A J 6497
Brand, M 6707
Bratanov, V 6920
Brauns, A 5786
Brazzel, J R 5550
Breuning, S 5002
Breuning, S von 5003
5004
Brewer, R N 6498
Briggs, G G 5785
Brikman, L I 5660
Brindle, A 5005
5122
Britton, M P 5883
5965
Broadbent, D J 7379
Brodeur, M G 7086
Broekhuizen, S 5881
Broen, B V 5103
Brokke, M E 7331
Brookes, R F 7332
Brown, A W A 5240
5741, 5773
Brown, E B 6286
Brown, F 6864
Brown, K S 5006
Brown, L R 6160
Brown, R 7321
Brown, R W 7097
Brown, V K H 7130
7131
Brownlee, R G 5217
Broza, M 5522
Bruce, W A 5241
Bruinsma, J 7313
Bryan, J H 5242
Bucharova, I 7228
Buck, E 5243
Buck, J 5243
6499
Buck, W Q 7229
Buckley, P M 6090
Buczek, J 6500
6501, 6645, 6885
Buddenhagen, I W 5967
Budowski, P 6502
Buess, F W 7199
Buford, W T 6197
Bukovac, N J 7230
Bukrinskaya, A G 6503
Bulgini, M J D 6507
6508
Buonaccorsi, A 6504
6756
Bur-Ravault, L 5902
Burcar, P J 7081
Burgasov, P N 6505
Burge, W D 7093
Burger, M 5347
Burgerjon, A 5244
Burges, H D 5245
Burghausen, R 6327
Burgoyne, G H 6872
6873
Burgoyne, W E 5246
Burnett, H C 5882
Burnett, R C S 7050
Burningham, M S 6257
Burr, M J 5247
Burrage, R H 7132
Burtner, R H 6929
Burton, G W 6264
Burzinski, K 6552
Busbey, R L 5507
Buser, E 7148
Butler, J A 7094
Butler, J D 5883
6345, 6382
Butler, J E 5007
Butterfield, W K 6506
Buttiker, W 5749
Byers, R A 6264
Bynum, H H 5884
Byrd, W P 6602
Bystrykh, E E 6060
Cabejszek, I 7149
Cabes, L J 6416
Cable, D R 6328
Cacchione, R A 6507
6508
Cadena-Hinojosa, M 5910
Cakalowa, A 6657
Callahan, J T 5268
Callow, L L 6509
Caltagirone, L 5008
Caltagirone, L E 5407
Calza, R 6161
6175
Campbell-Smith, L 6159
Campbell, A 6921
Campbell, F J 7267
Campbell, R L 5471
6162
Campbell, R S F 6724
Campbell, R W 5248
Campion, J G 6388
Campos, M S de 6999
Caner, J 5885
Cankovic, M 6922
Cannell, S 5408
Capener, A L 5009
Capitaine, P 6426
Carbrey, E A 6833
Carle, P 5249
Carlisle, C H 7003
Carlisle, D B 5250
5251
Carlotto, F 6510
Carlson, A D 7150
Carlson, V L 6823
Caro, J H 7092
Carosino, L E 7333
Carricaburu, P 5252
Carrig, C B 6511
Carroll, C A 7334
Carski, T R 6545
Carter, L J 7071
7072
Casarosa, L 6923
Cascelli, E S 6507
6508
Casida, J E 5296
5604, 7207
Casimir, M 5253
Caspary, E A 6575
Cassady, J 7100
Casselman, M D 5983
Cassier, P 5254
5255, 5256, 5498
Castro, A F P de 6512
Castro, J G 6513
Castro, L E 5710
Catsaras, M 7051
Caudwell, A 5945
Cavalie, G 5886
Cavill, G W K 5257
Cazal, M 5225
Ceccarelli, A 6756
Cech, Z 6514
Cedro, V C F 6507
6508, 6515, 6516
Cerna, J 6733
Cerny, L 6733
Cessi, D 6588
Chacko, C I 7095
Chacko, M J 6163
Chadha, K C 5887
Chadha, K L 5825
Chahal, B S 5258
Chailakhyan, M Kh 7231
Chamberlain, D W 5888
Chamberlain, W F 5259
Chambers, D L 6265
Chambers, G V 5470
Chambers, S C 5889
Chambon, J P 6164
Chan, Y-h 5890
Chandel, B S 6165
Chandler, A E F 5260
Chandler, J M 7232
Chandra, J 6049
Chandramohan, D 5891
Chang, P W 6517
Chang, S I 6518
Chaniotis, B N 5261
Chapoutier, H 6417
Chappuis, G E 6519
Chararas, C 5262
Chatterjee, R K 6924
6925
Chauhan, P P S 6759
Chauvaux, G 6492
Chauvin, R 4967
Chawla, S K 6485
Chechak, A J 7335
Chen, J H 7119
Chen, J S 5263
Chen, M G M 5263
Cherrak, M 5252
Cherrett, J M 6166
Cherrington, A D 7096
Cherry, J H 7278
Chessin, M 6022
Chesters, G 7118
7362
Childs, H E 6533
Childs, J F L 5957
Childs, T W 5892
5893
Chistyakov, A A 6810
Chiu, R J 6167
Chiu, Y C 7151
Chlodny, J 5264
Cho, B R 6666
Chossonery, A 6520
Choudhry, S L 6361
Chovnick, A 5739
Chowdaiah, B N 5698
Chowdhury, N 6926
Christianson, H R 7347
Christlieb, F 6402
Chrzanowska, M 6850
6851
Chubirko, M M 6329
Chudesova, V P 5758
Chujo, M 5000
Chukleb, L A 7005
Chung, R A 7097
Chvala, M 5010
Cielens, E 5894
Cisale, H O 6515
6516
Ciuniene, E 6927
Clapp, J W 7363
Clapp, P 7160
Claret, J 5265
Clark, B L 6521
Clark, D V 5257
Clark, F E 6928
Clark, G M 5011
Clark, R L 7364
Claxton, P D 6634
Cleland, R 7233
Clement, C H 6384
Clements, A N 5266
Clements, B W 5750
Clements, N L 7052
7053
Clemmer, D I 6522
Clerc, B 4995
Clifford, C M 5012
5083, 5174
Clower, D W 5338
Coackley, W 6523
6524
Cobb, F W 5895
Cobben, R H 5267
Cochran, D G 5735
Coffman, J R 6525
Cogburn, R R J 7031
Cohen, C F 5835
Cohen, E 5896
Cohen, G 6526
Coleman, D C 5268
Colglazier, M L 6527
6929
Collett, N 7098
Collier, B 5269
Collins, F M 6528
Collins, J A 7234
7235
Collins, W E 5751
Colmer, A R 6416
Colonna-Cesari, F 5861
Coluzzi, M 5699
Colville, W L 5787
Comstock, J A 5270
Conger, B V 7022
Conner, C J 7336
Conner, G H 6877
Connole, M D 6529
Connor, T J 4975
Constantin, R J 6341
Contacos, P G 5751
Cook, R J 6088
Cook, R S 6530
Cooke, D 5359
Coon, D A 6090
Coon, M E 5897
Coon, R E 6763
Coppock, L J 6286
Corbould, A 6531
Cordoba, O G 5540
Coronel, A B 6890
Corrado, A 6532
Correa, H S 7067
Corrigan, J J 5271
Corsi, R 7104
Coscaron, S 5173
Cosgrove, G E 6533
Costa, M 5013
Coster, J E 6177
Costilow, R N 5477
Costoglou, M 6566
Cote, J C 7086
Cottereau, P 6534
Cottral, G E 6535
Counsell, R E 6536
Coupe, R E 7016
Covey, R P 6007
Cozariuc, I 6537
Craig, G B 5272
Crainiceanu, E 7196
Crandall, P C 5898
Craven, B R 6168
Crew, F A E 5273
Crisan, A 5899
5900
Crompton, D W T 6930
Cromwell, R P 7390
Cronshaw, J 5923
Crookshank, H R 6687
Cross, B E 7337
7338
Crossan, D F 6008
Crowell, K L 5274
Cruger, G 6169
Cruz, B P B 5901
6080
Crystal, M M 5275
5276
Csonti, F 7128
Cuille, J 5902
Cunha, R G 6538
Cunnington, A M 5028
Curl, E A 7236
Curr, C 6950
Curren, T 5903
Curtis, J M 7202
Cutkomp, L K 5414
Czabajska, W 5788
Da Tripoli, I 5789
Dahlhelm, D 5277
Dahm, P A 7189
Daines, R H 5904
Daly, F J 6539
Dan, F 5541
Daniels, N E 6170
Danilevicius, E 6931
Dannenberg, H D 6540
Danthanarayana, W 5278
6171
Daoud, C 5470
Darnhofer-Demar, B 5279
Darre, D L 6541
Darroch, J G 6687
Darwazeh, H A 5486
Das, C 6542
Dass, C M S 5342
Datt, N S 6805
6806
Datta, P R 7152
Daugherty, D M 6176
Dauterman, W C 7151
Dauvarte, A 6543
Dav, B E 6350
Davenport, P G 6544
David, B V 6150
David, W A L 5752
Davidson, O W 6037
Davies, B I 7050
Davies, E 7237
Davies, F L 6869

Davies, H 5905
Davies, J E 7100
Davis, D W 6206
Davis, F M 6188
Davis, F S 6331
Davis, F W 6418
Davis, L B 6151
Davis, O J 7225
Davis, S H 6037
Davtyan, E A 7007
Davydov, O N 7153
Dawson, J E 5785
7264
Day, A J 7180
De Barjac, H 5280
de la Lande, I S 7180
De Lerma, B 5232
De Wilde, J 5281
De Zoeten, G A 5906
Dean, H A 7101
7238
Debrot C, E A 5907
Decelle, J 5014
5015
Dedek, W 7339
Dedrani, V P S 6932
Dedras, P J 5282
5283
DeGroot, R C 6172
Deheleanu, A 6057
Deibel, R H 7056
Dekhuijzen, H M 5908
Dekker, J 5909
Del Bono, G 7000
Del Giudice, R A 6545
Del Rosario, D A 6332
Delamere Debouttevil 5097
Delchev, H 7054
Delcour, J 5700
Deleve, J 5016
Delgado-Sanchez, S 5910
Delgado, M A 6294
Della Croce, G 6463
Dellinger, J D 6641
Delsoy, H. 6546
DeMent, J A 7240
Demidov, N V 6933
Demint, R J 7342
Demski, J W 6091
Denev, Y 6685
Denic, M 7239
Deo, P G 6954
Deoras, P J 7038
Derevitskaya, V V 6295
Derevleva, T A 6547
Dermanis, P 5781
Derscheid, L A 6333
Desai, R N 5701
Desai, S G 5912
Descamps, M 5017
5285
Deschiens, R 6934
Descimon, H 5286
Deshmukh, D R 6548
Deshpande, R R 6202
Deshpande, S B 5701
Desjardins, P R 5913
Desmecht, M 6549
Despommier, D D 6935
Desrotour, J 6550
Dethier, V G 5322
Devaux, P 7340
Dewey, J E 7155
Dhanda, V 5287
Dhindsa, S K 5586
Di Stefano, H S 6556
Diallo, S 6551
Diaz, A G 6762
Diaz, M M 5674
Dick, D 6419
Dick, K 7297
Dickason, E A 5815
Dickinson, A G 6580
Dickinson, E M 6622
Dickinson, E O 6694
Dickinson, F N 6612
Didovets, S R 6936
Diebel, R H 7068
Diener, T O 6051
Diez, M F 6937
DiGuilio, W 6536
Dijkstra, J 5914
Dillard, L H 6868
Dilz, K 7313
Dimitrov, D 6425
Dimitrov, G 7205
Dimitrov, S 5915
Dimopoullos, G T 6541
Dinoor, A 7023
Dion, A S 5288
Dislers, V 5790
Dissanaike, A S 6938
Divar, G 7035
Dixmeras, J 6403
Djambazov, G 6552
Djime, D 5351
Djokovic, V 6623
Djordjevic, Z 6623
Dlabola, J 5018
5019
Do, F M 5414
Doane, C C 5289
Dobbs, J P 6653
7162
Dobos, P 6553
Dobrev, D 6019
Dobzhansky, Th 5702
Dodge, W E 6404
Dodgen, C L 7156
Dodson, C H 5290
Dominik, T 5818
Donaldson, T W 7262
Donchev, N 6020
Dondace, C D 5020
Done, J T 7169
Doornenbal, H 6420
Dopham, E J 5291
Doran, D J 6554
6555
Dorfman, H D 6695
Dorney, R S 6939
Dougherty, R M 6556
Douglas, L T 5703
Doutre, M P 6557
Dovadola, E 6510
Dowell, A E 6711
Downing, R S 5292
Drabek, J 5627
Drake, C J 5021
Draney, J C 6287
Draney, J J 6287
Draskovic, R 6558
Dressler, R L 5290
Drogoszewska, T 5816
Drooz, A T 6144
Drozdowic, A 5293
Drury, R E 7241
Dschurov, A 6586
Du Plessis, S F 5916
du Toit, R 6887
6888
Dubey, J P 6582
Dubois, P 6427
Duchon, F 7102
Dufait, R 6559
Dufay, C 5022
Dufty, J H 6521
Duganzich, D M 6794
Duggan, R E 7157
7158
Dukes, P D 6021
Dulmage, H T 7404
Dunaway, P B 6533
Dunn, E 5917
Dupree, L T 5638
Durgapal, J C 6093
Durham, D A 7305
Dusanic, D G 6625
Duteil, M 6015
Duthoit, J L 5945
Dutt, S C 6932
Dutta, S K 7159
7388
Dworakowska, I 5023
5024
Dwurazna, M M 5918
5919
Dyce, A L 6908
Dzekov, A 6560
Dzhurov, T 6676
Eads, C O 6160
Earl, F L 7202
Earle, N W 5338
Edds, G T 6717
Edgren, J W 5892
Edman, J D 5753
Edmonds, R L 5920
Edmonds, S J 6930
Edmunds, L K 5933
Edmundson, W F 7100
Edwards, H E 7112
Edwards, J D 5527
Edwards, J S 5503
Edwards, K 6652
Edwards, M A 5025
Edwards, S J 6437
Effmert, M 6038
Egert, V 7301
Egerton, J R 6561
Egorova, G P 7206
Ehrlich, A H 5026
Ehrlich, P R 5026
Ehrman, L 5742
Eizenbergs, V 5790
El-Agroudy, M A 6479
El-Dawla, K 6710
El-Kandelgy, S M 5921
5922
El-Moursy, A A 5346
El-Ziady, S 5346
Elamayem, M A 7398
Elarosi, H 5857
Eldefrawi, M E 5294
Eleazer, T H 6940
Elgin, J H 5961
Ellen, J 6131
Elliot, K E 7410
Ellis, P E 5250
5251
Elsdon-Dew, R 6976
Elson, P F 7103
ElZein, A 6562
Embleton, T W 6123
Embree, D G 6173
Emery, J B 6563
Emodi, A S 7055
Enchev, S 6564
Ende, B van den 6104
Englert, E 6974
Englert, H K 6565
Enzie, F D 6527
6929
Epps, J M 6288
Epstein, J W 7327
Epstein, S 5295
Epstein, S S 7160
Erakey, M A S 5346
Ercegovac, D 6566
Erdelyi, A 6921
Ershov, V S 6421
6941
Esaac, E G 5296
Esanu, V 5838
Esau, K 5923
Escalante, R 5754
Espmark, Y 6891
Essafi, M 5297
Esser, H O 7341
Estela, L A 6567
Etcheverry, M 5027
Etheridge, D E 5924
Ethridge, B J 5755
Ettlinger, L 5450
Evans, G O 5025
Evans, H E 5298
Evans, L V 5794
Evans, R A 5836
Everett, R 6896
Evlakhova, A A 5299
Ewing, A W 5219
5704
Ewing, G O 6568
Exconde, O R 6024
Ezhov, V I 6569
Faasch, H 5300
Fabbri, R 6422
Fadl, F A M 5867
Fahrig, R 5705
Fain-Maurel, M A 5254
5256, 5498
Fain, A 5028
5029, 5093
Fakhr, I M I 5690
Falk, H 7160
Falter, J 5301
Fancher, L W 6334
7379
Fantasia, L D 7056
Farina, R 6756
Farinha, F B N 6765
Farmer, F 6575
Farnham, A W 5736
Farooqui, M N 5302
Farquharson, I D 6423
Farrington, K J 6921
Fassbender, C A 7353
Faulkner, P 6553
Favati, V 6570
Favlova, I B 6719
Favreau, M S 5646
Feder, N 5399
Fedrigo, M 6571
Feekes, W 5925
Feldman-Muhsam, B 5303
Fellin, D G 5030
Fenili, G A 6174
Fenixova, R V 7242
Fenn, L B 7243
Ferguson, D L 6942
7016
Ferguson, R B 7244
Fernandez, A P R 6943
Fernando, H E 6405
Fernelius, A L 6572
6573, 6574, 6860
Ferrero, D 4992
Ferri, F 5926
Ferris, J M 6289
Ferris, V R 6289
Ferron, P 5304
Feucht, J R 7161
Feucht, W 5791
Feytaud, J de 7032
Field, E J 6575
Fields, B N 6611
Figueiredo, M B 5927
Figueiredo, P 6335
Filho, J P da S 5901
Filho, N S 6161
6175
Filho, O C 6512
Filippovich, J B 5592
Finco, D R 6700
Findlay, J A 5305
Finelle, P 6550
Finizio, E 5226
Fink, E 6576
Fischer, H E 5791
Fischer, J 5306
Fish, D C 7162
Fisher, C A 6695
Fisher, H 6502
Fisk, F W 4970
Fitschen, H J 7391
Fittkau, E J 5031
Flanagan, T D 6517
Flandre, O 5307
Flaschka, H 4969
Fleischmann, G 5928
Flentje, N T 5889
Flentje, Nt 6105
Fletch, A L 6577
Fletcher, B S 5308
Flint, F F 7245
Flint, O S 5032
Flint, R 5309
Flores, E 5885
Floss, H G 5929
Floyd, J 4969
Folliot, R 5454
Foltz, J L 5033
Foote, L E 6578
Forcum, D L 5767
Ford, H W 6290
Forgash, A J 5551
5552
Forsythe, H Y 5802
6223, 6224
Fortlage, R J 6090
Foster, J E 6176
Foster, T S 6424
Fox, R M 5034
Foy, C L 7305
Fraenkel-Conrat, H 6081
Fraenkel, G 5223
Francalanci, G 6944
Francki, R I B 5930
Franek, J 6682

Frank, K D 5310
Frank, P A 7342
Frank, Z R 5931
Frankham, R 6420
Franklin, T E 6579
Franti, C E 6715
Frantz, H E 7163
Franz, A O 7268
Fraser Rowell, C H 5311
Fraser, H 6580
Frauca, H 5312
Fraval, A 5313
Frazier, J L 4970
Frear, D S 7246
Frederiksen, P S 5932
Frederiksen, R A 5933
7270
Fredrickson, T N 6642
Free, J B 5314
Freebairn, H T 7380
Freeman, B 6581
Freeman, C D 7343
Fregly, M J 7164
Frei, R W 7343
Freitas, D C 6831
Freitas, M G 6911
French, F L 6033
French, J C 5315
6266, 6278, 7033
Frenkel, J K 6582
Freund, H E 7344
Frey, E 5035
Frey, G 5036
Frey, M L 6583
Freyvogel, T A 5316
Fried, M 7224
Friedman, S 5317
Fries, G F 7345
Friis, N F 6584
Fritz, T 5934
Frolov, B A 7165
Fry, G F 6974
Frye, J B 6578
Fuchigami, L H 6297
Fuchs, E 5935
Fuchs, M 5272
Fucikovsky, L 5910
Fudulov, D 6336
Fujii, K 5318
Fukutomi, M 5860
Fullilove, S L 5197
Funderburk, H H 7236
7292
Fung, P H 6585
Funk, A 5936
Furman, D P 5113
Furste, W 5791
Fusi, P 7104
Fusiek, G 6726
Futrell, M C 5937
Fyodorov, V 6425
Gaafar, S M 6981
Gaard, G 5906
Gabbutt, P D 5037
Gabraschanski, P 6586
Gaddoura, W M 5319
Gadzhiev, K S 6820
Gaher, S 5627
Gailiunas, P 6535
6587
Gallardo, S 5647
Galli, G 6588
Gallo, C 6968
Galvez E, G E 5938
Galvez-E, G E 5939
Galveze, G E 5940
Gama, M M da 5045
Gambles, R M 5038
Gambogi, P 5941
Gandhi, A B 5912
Gangola, L 5039
Ganla, V G 5494
Gara, R I 5942
6177
Garabedian, G A 6589
Gardiner, M R 6590
Garg, D N 6591
Garg, R K 6759
Garibaldi, J A 7057
Garrigue, G 6656
Gartrell, J W 6362
Gaston, L K 5603
Gaur, B K 7256
Gaydon, D M 5320
Gayed, S K 6337
Gazikhodzhaeva, M A 7247
Gee, R 6753
Geering, E J 5792
Gehring, P J 7166
Gehring, W 5321
Geib, A F 5486
Gelperin, A 5322
Genis, N de L 5040
Genov, I 6425
Gentner, W A 6368
Geoffrion, R 5943
Georgescu, A 7196
Georgiev, C 6586
Gersh, E S 5706
Gerson, U 5041
6178
Gersonde, K 5606
Gertsch, W J 5042
Gerzin, V F 6592
Gfeller, W 5043
Ghani, M A 5323
5324, 5325
Ghauri, M S K 5326
Ghosh, A 6048
Gialletti, L 6476
Giannotti, J 5945
6179
Gibbons, W J 6593
Gibson, D T 7346
Gibson, N H E 5566
Gici-Kalinovic, I 7035
Giese, R L 5464
Giha, O H 5946
Gil, L 5183
Gilbride, A P 6594
Gilchrist, P. 7405
Giles, P H 5327
Gilibert, J 6426
Giliomee, J H 6180
Gillett, J W 7105
Gillett, S 5328
Gilmore, C E 6884
Ginns, J H 5947
Ginther, O J 6876
Gionti, T M 6637
Giorgi, W 6512
Girot, B 5044
Girouard, R E 6578
Gisborne, J H 6089
Gisin, H 5045
Gitsu, F V 5329
Gitter, S 7179
Giudicelli, J 5046
Glabiszewski, J 7248
7306, 7307
Glancey, B M 5759
Gleaves, E W 6441
Glickman, M 7267
Gluzman, I Ya 6972
Goddard, J L 7106
Godson, D H 7332
Goetz, M E 6753
Gogebashvili, N V 6478
Goksoy, S K 6757
Goldberg, E D 7079
Goldberg, M C 7081
7347
Goldberg, R N 7254
Goldblatt, L A 7268
Golden, A M 6288
Goldman, P 7348
Golosin, R 6945
Golubovskii, M D 5707
Goncalves, P C 6999
Gonzalez Lopez, G 6538
Goodall, G E 6123
Goodchild, W M 6595
Goodhue, L D 5330
Goodin, J R 7219
Gooding, G V 7249
Goodman, R N 7254
Goodwin, D E 6596
Goodwin, R F W 6597
Goral, V M 5538
Goranov, H 6598
Gordee, R S 6599
Gordienko, V E 7206
Gore, R W 6979
Gorelick, G A 5331
Gorham, J R 6600
Gorny, M 5332
5333
Gosden, D 6523
6524
Goss, O M 6291
Goto, H 6600
Goto, M 6735
Goulden, B E 6601
Gouranton, J 5334
5335
Gozmany, L 5047
Graham, D 6602
Graham, D R 7296
Graham, H M 5559
Graham, N P H 6561
Graham, R N 5793
Grandjean, F 5048
Granier, P 6427
Granobles, L A 5710
Grant, C D 5336
Grasham., J L 5952
Grasso, A 5337
Gratkowski, H 6338
Graves, J B 5338
Grayson, J M 5339
Graziani, R 6532
Greathead, D J 5049
Greenbaum, S B 5340
Greenberg, J 6081
Greene, D E 6432
Greenhalgh, G N 5794
Gregg, R E 5050
Grenier, P 5351
Gresikova, M 6660
Gressitt, J L 5341
Gretillat, S 6603
6946, 6947
Griel, L C 6679
Griffin, H D 5948
Griffin, J J 7079
Griffiths, G C D 5051
Grigoriu, N 6764
Griminger, P 6502
Grodums, E I 6604
6816
Grogan, R G 5949
Gromkov, N 6428
Groothius, D 7347
Groschel, D 6605
Grosclaude, C 5950
Grose, E S 5762
6704
Gross, A E 5815
Grover, K K 5342
5530
Grover, R K 5869
Gruev, B 5052
5053
Gruhl, K 5343
5344
Grzebula, S 6989
Grzybczak, J 6339
Guarino, P A 7058
Guay, P 7086
Gudi, A K 6826
Guenther, H 5929
Guenzi, W D 7361
Guilhon, J 7167
7168
Guillaume, P 5795
Guiochon, G 7340
Gulvakova, M I 6783
Gunderson, H 6181
Gunther, F A 7389
Gupta, A K S 7354
Gupta, K M 6204
Gurycova, D 6701
Gustafson, C D 7411
Guthrie, F E 7151
Gutierrez, J 5054
Gutierrez, M C 6762
Gutman, A D 5345
Guzman Mijares, L 6538
Haaranen, S 6606
Haas, H G 7190
Habas, J A 6813
Habashy, Y Z 6785
Hacig, A 6948
Hadwiger, L A 5929
Hafez, M 5346
Hagberg,a 6095
Hagedorn, D J 5951
Hagedorn, H H 5347
5348
Hagen, K W 6600
Hagin, R D 6359
7264
Hair, J A 5349
Hajj, R N 6607
Hajs.g, M 6608
Hala, K 6660
Hallauer, A 5796
Halmann, M 6609
6610
Halonen, P E 6611
Halstead, D G H 5055
Hamilton, K C 6340
Hamilton, L D 6799
Hamm, J J 5852
Hammad, S M 5294
Hammen, L van der 5350
Hammond, D M 6949
Hamon, J 5351
5708
Han, F S 6612
Hanbal, I 5294
Hangartner, W 5352
Hanna, A T 6710
Hanneman, R B 6461
Hansen, R M 6408
Hanson, A A 5797
Hanson, J B 7278
Hanson, J R 7349
Hanson, R P 6583
Hantsbarger, W M 6182
6183, 6184, 6892
Hanuss, K 6241
Haralambiev, K 6718
Hard, J S 5353
Harden, F W 5755
Harding, J D J 7169
Harding, W. 6185
Hardwick, D F 5354
Hardy, R J 5355
Harkness, C 7185
Harpaz, I 6178
Harper, E 5356
Harper, G A 7268
Harris, C R 5357
Harris, D J 6613
Harris, E D 5358
Harris, P 5359
Harrison, B D 5979
Harrison, D L 7098
Harrison, D S 6398
7390
Harry, E G 6614
6615
Hart, A C 6406
Hart, J A 6950
Hartley, D E 7286
Hartley, W J 6618
Hartung, T E 6441
Harvey, A E 5952
Harvey, R W S 7059
Harwood, R R 5953
Hasan, S A 7034
Hasany, S M 7026
Hasek, M 6660
Hashimoto, H 5954
6736
Hasler, A 6616
Hassan, A 5690
7151
Hassan, H M 6186
Hassan, T K 7259
Hattoi, Z 6617
Haughey, K G 6618
Hauser, P 6619
Hausermann, W 5360
Havivi, Y 5303
Hawksworth, F G 5955
Hawson, M G 6291
Hayasi, G 6103
Hayes, W J 7107
Hays, H W 7170
Hazzard, J 7331
Healy, M J 5956
Hearn, C J 5957
Heaton, J 6456
Hebden, S P 7124
Hedqvist, K J 5056
Heil, J M 6429

Heimpel, A M 5361
Hein, H 6620
7200
Heinertz, R 5043
Heinig, S 5362
Heinrich, G H 5057
Heinze, K 5058
Hejzlar, M 6621
Helfer, D H 6622
6748
Helgason, S B 5896
Helle, O 6951
Helling, C S 5784
Helmboldt, C F 6506
6642, 6789
Helson, G A H 6187
Henderson, C A 6188
Henderson, I F 6407
Heneberg, D 6623
Heneberg, N 6623
Henis, C 5059
Henis, Y 5059
Henne, C 5270
Henneberry, T J 5655
Henry, A W 5798
Herbert, C N 6458
Herbst, E 5288
Herd, G W 5958
Herlich, H 6952
Herman, L H 5060
Hernandez, T P 6341
6396
Herrera, J 5061
5363
Herrick, S E 5829
Hertz, L B 5959
Herulot, C 5062
Herzberg-Minzly, Y 7327
Herzberg, M 6665
Hess, L 6189
Hewetson, R W 6624
Hibbard, J S 6625
Hibbs, C M 6669
Hickey, J J 7108
Higgins, A E H 7396
Higgins, L G 5063
5064
Higgins, R E 6342
Hildebrand, D C 6071
Hill, A V 5960
Hill, C H 7039
Hill, D S 6190
Hill, L W 6369
Hill, M K 6828
Hill, R R 5961
Hille Ris Lambers, D 5065
Hille, G 6626
Hillman, R B 6627
Hills, H G 5290
Hills, J L 6953
Himes, J A 6717
Hine, R B 5962
Hinesly, T D 6343
Hinks, C F 5364
Hino, T 5963
Hinov, G 7228
Hinsdill, R D 6628
Hirao, T 6103
Hirsch, J 5709
Hirth, L 5861
Hirumi, H 6191
Hisamatsu, S 5066
5067
Hislop, E C 5799
Hitchen, E T 5365
Hitchen, J M 5365
Hoar, D 5739
Hobbs, D C 7350
Hocking, B 5366
Hocking, D 5964
Hodges, C 5965
Hodgson, J N 6629
Hoefert, L L 5923
Hoelscher, C E 7238
Hoenigsberg, H F 5710
Hoffer, A 5068
Hoffmann, A 5069
Hoffmann, J A 5367
Hofmann, R 5070
Hogner, D C 6344
Holden, A V 7109
Holder, G M 5368
Holldobler, B 5369
Hollings, N 6240
Hollis, D 5071
Hollis, J P 6292
Holman, J 5072
Holst, E M 7110
Holstun, J T 7222
Homberg, M 5800
Honeycutt, J B 7351
Hoogstraal, H 5012
Hooper, G H S 5370
Hooper, G R 5804
Hoos, W 5808
Hopen, H J 6345
Horn, D J 5073
Horn, G 5371
5568
Horn, P 5861
Horning, O 6192
Horridge, G A 5372
Horska, K 5597
Hosgood, S M W 5711
Hoskins, W M 5490
Hourrigan, J L 6630
7012
Hoursiangou-Neubrun, 5966
Houston, D W 6346
Howard, J R 6631
Howard, W E 7171
Howarth, T H 5061
Howitt, A J 5804
Howland, A F 5655
Howse, P F 5373
Hoyer, R F 5532
Hoyt, C P 5508
Hrabar, A 6623
Hronovsky, V 6632
Hubbard, J L 6364
Hubert, A A 5748
Hudon, M 6193
6194
Huff, J W 6579
Huger, A M 5374
Huggett, R J 7079
Hughes, K L 6618
6633, 6634
Hughes, R D 5375
Hughes, T B 5476
Hughes, W A 5917
Huignard, J 5376
Hummon, O J 7012
Humphrey, J M 6437
Humphries, D A 5377
Hunter, A S 5247
Hunter, J E 5967
Hunter, R L 5316
Huppert, M 6635
Hurpin, B 5378
Hurst, G W 5379
Husain, S 6954
Husain, S S 7026
Hushin, S S 7034
Hutchins, P C 6290
Hyatt, A A 7352
Hyden, S 7385
Ianco, L 6948
Ibragimov, A P 7250
Ibrahim, I K A 6292
Ichinose, H 6522
Ide, F P 5380
Idrobo, J M 5710
Iftimovici, R 6764
Ignoffo, C M 5381
Iida, T T 5968
6031
Iijima, T 5635
Ijichi, K 7057
Ilchenko, L Y 5382
Ilic, B 7035
Ilivicky, J 5182
Indira, P 5383
Inglis, W G 6955
Ingram, D S 5969
Injac, M 5801
Inouye, N 5963
5970
Inouye, T 5963
5971, 5972, 6103
Iordanou, N T 5384
Iordanov, I 6636
Iotov, M 6718
Iovcev, E 6893
Ipson, J R 6459
Iren, Z 6195
Irgashev, I Kh 6956
Isakova, N P 5385
Isgum, M 6623
Ishida, N 5860
Ishihara, T 5074
Ishitoya, Y 5412
Ittycheriah, P I 5386
Ivanov, M M 6637
Ivanova, E P 6783
Iwai, P J 6009
Iwao, S 5388
Iyer, P K R 6819
Iyer, S G 6638
Izmirov, I 6490
Jaap, R G 6430
Jackson, C M 5365
Jackson, C R 5974
Jackson, D I 7251
Jackson, O F 6639
Jackson, T H E 5075
Jackson, W B 6640
7040
Jacob, C M 7392
Jagschitz, J A 6349
Jahn, E 6196
Jain, N C 6641
Jakob, W L 5389
Jakobowitch, R 6605
Jakowski, R M 6642
Jalil, M 5390
5391, 7252
Jalloul, A 5392
James, L F 6814
6815
Jancev, J 6957
Janion, S M 5393
Janmoulle, E 7036
Janson, B F 5802
Janssen, P A J 6918
Jarrett, W F H 6643
Jarvis, B C 7278
Jaskowski, L 6644
Jasper, D E 6641
Jastrzebski, T 6500
6645, 6885
Jauhar, P P 7253
Jay, S C 5496
Jean-Blain, M 6646
Jean, J H 6167
Jenkin, C R 5462
Jenkins, D H 7073
Jenkins, J N 6197
Jennings, J B 6958
Jensen, C 6647
Jensen, K E 6800
Jensen, K F 7027
Jensen, L S 6648
Jensen, S 7074
Jeppson, L R 6293
Jewell, F F 5975
Jeziorska, Z 5976
Jimenez-Millan, F 6294
Jimenez, E J 6198
Jindal, J K 6093
Jivoin, P 6649
Johannessen, E 6745
Johansen, C 5394
Johnson, A F 6683
Johnson, B D 7172
Johnson, B T 7254
Johnson, D C 6784
Johnson, D L 5962
Johnson, D R 6408
Johnson, G V 5395
Johnson, H 5977
Johnson, H G 5959
Johnson, J 6498
Johnson, R H 6796
Johnson, R R 7078
Johnston, A 5978
Johnston, D E 5241
Johnston, F A 5803
Johnston, J D 6650
Johnston, J E 6578
Johnston, L A Y 6651
Johnston, R 6921
Jolly, D W 7173
Jones, A L 5804
Jones, A R 6652
Jones, B M 5802
Jones, C R M 6409
Jones, E L 6199
6200
Jones, F J S 6431
Jones, J C 5396
5397
Jones, R A C 5979
Jones, V M 7255
Jones, W J 6653
Jonkers, A H 5188
Jordan, C R 6278
Jordan, K H C 5398
Jordan, L S 6350
Jortner, B S 6654
Joseph, A 5757
Joshi, B G 6201
Joshi, D V 6655
Joshi, J C 7283
Joshi, L M 5980
Joshi, R K 7256
Joshi, S 7160
Joshi, T P 6819
Joubert, L 6656
Jovanovic, J M 6825
Joyce, G 6575
Joyner, S C 5835
Jubier, M F 5994
Jurigova, J 5627
Jussila, R 5076
Juszkiewicz, T 6657
Kabiersch, W 6351
Kadziolka, A 6658
Kaesberg, P 6073
Kafatos, F C 5399
Kahan, R S 7025
Kahlon, A S 7412
Kale, P G 5712
Kaliser, L A 7174
Kalnina, B 6659
Kalra, A N 5400
Kalra, R L 5713
Kalyanam, N P 5401
Kamel, A 7187
Kamemoto, H 5866
Kampelmacher, E H 7064
Kannan, S 7257
Kantack, B H 6256
Kanungo, M S 5403
5612
Kanwar, J S 5805
Kaplanis, J N 5835
Kapoor, I J 5981
Kapoor, V C 5077
5078
Karakoz, I 6660
Kareem, A A 6259
Karg, J 5402
Karis, H 5982
Karnikar, K 5282
Kartman, L 6894
Kasasian, L 6352
Kasthuri-Thirumalach 5494
Kato, H 5727
Kats, G 5212
Katsenovich, L 7143
Katz, L N 6477
6719
Katz, S E 7353
Kaul, B L 7258
Kaur, G 5403
Kaur, R P 5588
Kaushal, P K 6202
Kawaklova, L 6883
Kawamoto, N 6405
Kazlauskas, J 6959
6960
Keahey, K K 6723
Kealy, R D 6432
Kebedzhiev, G 6661
Keeler, R F 6815
Keenleyside, M H A 7111
Keiper, R R 5583
Keith, A D 5404
Keith, D L 5405
Keith, W B 6444
Kejda, J 7175
Keller, E R 5806
Keller, H 6662
Kellogg, K K 6663
Kelly, D F 6664
Kelsey, J M 5406
Kemper, H 5079

Kempton, R J 6089
Kendereski, S 7060
Kennett, C E 5407
Kennington, G S 5408
Kenny, K 6665
Kenzy, S G 6666
Kerr, S H 7280
Kerr, W D 5210
Kerswill, C J 7112
7113
Kestler, P 5409
Kevan, D K McE 5080
5081
Khair, J 7023
Khairy, E A 5857
Khan, I D 6062
Khan, S T A 7270
Khanna, S S 6204
Khera, S S 6667
Khilkevich, N M 6668
Khutoretsky, E S 6985
Kiauta, B 5714
Kienholz, E W 6797
Kiermeier, F 6778
7114
Kilgore, M 5937
Kim, C W 6799
Kimmins, W C 5983
Kimura, I 6102
Kindler, S D 6256
Kingsland, G C 6602
Kingsley, K 6669
Kinoshita, T 5984
Kinsey, J E 7393
Kintner, L D 6857
Kirby, M D 6437
Kirch, J H 7394
Kirchhoff, H 6670
Kirchner, W 5409
Kirk, J K 7115
7116, 7117, 7176, 7177, 7178
Kirkpatrick, J W 5807
Kirkpatrick, R 7421
Kiryanov, E A 6671
Kiseliene, V 6961
6962
Kisimoto, R 6205
Kitzmiller, J B 5737
Kizevalter, I S 6295
Klein, F 6653
6860
Klepac, R 6965
Kliewe, H 5808
Klingsporn, A L 6630
Klomp, H 5410
Kluge, J P 6672
Klyanenko, V F 6673
Knake, E L 6343
6353
Knapp, F W 6905
Knapp, S E 6748
Knight, F B 5033
Knowles, C O 7259
7354
Knowlton, G 6206
Knowlton, G F 5411
6207, 6208, 6257
Knull, J N 5082
Ko, W H 5809
Kobayashi, M 5412
Kobayashi, S 5413
Koch, R B 5414
Kochankov, V G 7231
Kodde, A 6139
Kohls, G M 5012
5083
Kokhmanyuk, F 6209
Kokles, R 6992
Kolebinova, M 5084
Kolesova, O F 5415
Kollner, W A 7041
Kolman, J M 6674
Koltsova, E V 5848
Kolyer, J M 5416
Kondrashkin, G A 5758
Kondrashkina, K I 5758
Konowalchuk, J 5810
5811
Konrad, J G 7118
Konzak, C F 7022
Kopecky, K E 6672
Korukov, G 6675
Kosesan, W H 5812
Koslow, M A 5085
Kosovac, A 6945
Kostarz, T 6658
Kostina, L I 5813
Kostov, L 6676
Kotasthane, W V 5912
Kottaridis, S D 6677
6678
Kovalev, V F 6592
Kovoor, J 5417
5418
Kozlowska, J 6296
Kozlowski, T T 7290
Kradel, D C 6679
Kraft, M 5791
Kralj, N 6963
Kramer, A 7058
Kramer, J P 5419
Kramer, M C 5525
Kramer, R 7213
Krasteva, M 7260
Kreitzer, M J 7048
Krendeleva, T E 6060
Kresse, J I 6833
Krikun, J 5931
Kring, J B 7085
Krishna, S S 6253
Krishnaswami, R 5420
Krishnaswamy, S 6680
Kristov, S 6681
Krivolutsky, D A 5421
Krombein, K V 5117
Kronestedt, T 5422
Krupasagar, V 5985
Krupnick, J 7179
Kruse, H 5651
Ksander, G 5709
Kubec, J 6895
Kubin, V 6682
Kucera, C J 6683
Kuciukas, V 6964
6971
Kudrev, T G 7261
Kuhne, H 5423
Kuil, H 6210
Kuiper, J 5986
5987
Kukade, S V 6826
Kulberg, A Y 6719
Kulikova, A K 7242
Kulman, H M 6156
Kumar, K 5424
6239
Kumar, S 5715
Kumar, V 5716
Kumazawa, T 5425
Kunchev, L 7205
Kunz, R 6354
Kurelec, B 6965
Kurian, C 6218
Kurrdjian, A 5988
Kurstak, E 5426
Kurtz, E A 5547
Kurtz, H J 6684
Kust, C A 6355
Kuvichkin, V 6659
Kverno, N B 6404
Kyurtov, N 6685
6686
L'Ecuyer, C 6788
Laar, W Van 5427
Ladd, E R 6406
Lahore, J 6427
Laine, J E 5428
Lal, B 5989
Lal, R 6239
Lal, S B 5814
Lall, J M 6819
Lamb, M J 5717
Lamb, N J 5481
Lambert, J 6693
Lamberti, V 7355
Lamey, H A 5429
5990
Lamontellerie, M 5086
Lamothe, P 7086
Lamprecht, W O 6687
Lancaster, J L 5430
6896
Landa, V 5431
Landau, J W 6688
Lande, V M van der 6958
Lang, G 6737
6738
Langley, P A 5432
Langlois, B E 7234
7235
Lankhorst, L 5714
Lanowska, J 5991
Lapchenko, V S 7206
Laporte, M 5433
Lappa, N V 5434
Larsen, A B 6672
Larsen, P 5435
Last, F T 6089
Laster, M L 6151
Laudeho, Y 6211
Lauerman, L H 6939
Laurent, J E 5087
Lavciev, V 5088
Lazarov, E 7205
Le Berre, J R 5436
Le Pennec, J 6689
Leach, C M 5815
Leafe, E L 7332
Leahy, M G 5621
Lease, J G 6690
Leatherdale, D 6212
Lebeau, A 6691
Lebeurier, G 5861
Lechowich, R V 7055
Leclant, F 5089
Ledford, R A 7119
Ledger, J A 5090
Lee, B W 7413
7414
Lee, G B 7362
Lee, K M 6746
Lee, L S 7268
Lee, S C 5992
Lee, W R 5437
Leeuwangh, J 5429
Lefebvre, J 5448
Lefeuvre, R 6692
Legrain, A 5438
Lehman, R P 6527
Lehmann, R P 6672
Leibenguth, F 5439
Leibovitz, L 6654
Leiderman, L 6335
Lejeune, B 5993
5994
Lekander, B 6213
Lemaire, H 7355
Lemaire, J M 5995
Lemin, A J 6356
Leonard, D F 6214
Leonard, O A 6358
7262
Leone, C A 5007
Leong, C K 6026
Lepinay, A 6751
LeRoux, E J 5485
Leskova, A 5440
Lessing, L 5441
Letelier, M E 5183
Levanon, Y 7024
Levi, H W 5555
Levina, K N 6477
Levine, H B 6635
Levine, L 7356
Lewis, G 7169
Lewis, J C 7180
Lewis, P B 6841
Lewis, W M 6357
Ley, H L 7120
7181, 7182
Lhoste, J 5996
6693
Lichte, H-F 6169
Liddell, P J 7061
Lider, L A 6358
Lilly, C E 5442
Limonard, I T 6107
Lin, Y D 7097
Linam, J H 5112
Lincoln, R E 6860
7162
Lindner, K E 6626
Lindskog, P 5443
Ling, K C 5997
5998
Lingaraj, D S 7263
Lingard, D R 6694
Linn, A 6215
Linscott, D L 6359
7264
Lints, F A 5700
Lipa, J J 5444
Lipscomb, B R 5888
Lipscomb, C G 5445
Lisle, M O de 5091
Lith, J P Van 5092
Litvak, S 5182
Litynski, A 5816
Liu, S K 6695
Llanos M, C 5999
Lobenstein, C W 6360
Locher, N 5204
Locke, R F 4971
Lockwood, J L 5809
7095
Lodha, K R 6897
Loeblin, J V 5817
Loepelmann, H 6696
Loeppky, C 7265
Loewenthal, H J E 7327
Loewus, M W 5718
Lofgren, C S 5759
Lofgren, J A 5959
Lofquist, J 4965
Loginov, D D 6697
Lohs, K 7339
Lolonis, N F 5446
Lomba, F 6492
Long, E 5447
Loomis, L N 6698
Loots, G C 5040
Lopez-Gorge, J 6966
Louis, J 5448
Loux, E 5449
Loveday, R K 6699
Loveless, C M 6404
Low, D G 6700
Lowry, W L 7215
Lozano-T, J C 5939
Lozano, J 6967
Lucas, G B 7249
Luginbuhl, R E 6506
6642, 6677
Luk'yanova, A D 5758
Lukes, G E 7331
Lukoschus, F 5093
6898
Lund, L J 6766
Lundin, R E 7383
Luthy, P 5450
Luxton, M 5130
Lynd, J Q 7276
Lyon, R L 5094
Lyon, W F 6899
Lysy, J 6701
Lyszcz, S 6052
M Cuartero, C 5760
Maas Geesteranus, H P 5451
5502
MacBain Cameron, J W 5452
Macchioni, G 6968
6969
MacDonald, D H 6297
Macdonald, D R 5305
Macedon, A 6057
Maceo, A 7100
Macer, R C F 6000
Machado, W C 6903
Machlin, L J 6433
MacKenzie, C P 6601
MacLachlan, G A 7237
MacNeill, B H 5887
6001
MacRae, I C 7133
Madejski, Z 6657
Madsen, B L 5453
Madsen, H F 5292
Maeda, K M 5866
Maffi, M 5351
Mager, J 6609
6610
Magie, R O 6002
Magistretti, M 5095
Mahadevan, A 5891
Mahieu, N 6410
Mahlandt, B G 6653
7162
Maillet, P L 5454

Maison, P 6015
Maitlen, J C 6265
Maitre, R 6656
Majchrowicz, I 5818
Majewski, K 7266
Majorana, G 6003
  6004, 6005
Maldonado Capriles, J 5021
Malhotra, S 5869
Malik, B S 6775
  6776, 6852
Malkova, D 6674
Mallett, S L 5975
Mallozzi, P 6079
Malone, J C 7183
Maloy, O C 6006
  6007
Mampell, K 5719
Mandl, K 5096
Mangiafico, J A 5761
Mani, V S 6361
  6393
Manigault, P 5988
Manikumaran, C 5748
Manley, F H 6702
Manning, W J 6008
  7267
Manson, B E 7042
Manson, G F 7122
Mantel, N 7160
Maramorosch, K 6031
  6191, 6216
Marcato, P S 6703
Marconcini, A 6969
Marhoul, Z 6674
Mariani, A P 7203
Marinkelle, C J 5762
  6704
Marinkovic, D 5720
Marinov, V 7140
Markarian, D 5953
Markov, M 6020
Marks, A F 7357
Marlow, C H B 7184
Marphina, K G 7250
Marques, D 6855
Marranghini, M 6570
Marrou, J 6015
Marsden, K 7109
Martignoni, M E 6009
Martin, C 7281
Martin, D M 5832
Martin, I C A 6434
Martin, J C 6298
Martin, M K 6921
Martin, P 6550
Martinez, A A 6705
Martinez, C M C 5455
Martinez, E S 6507
  6508
Martinson, R 6648
Martouret, D 6217
Marusi, A 6706
Marusich, W L 6707
Maruyama, K 5456
Mason, Mg 6362
Mason, R W 6708
Masoud, F 6479
Massoud, Z 5097
Masters, J H 5098
Matchanov, N M 6970
Mathen, K 6218
Mather, G W 6700
Mathews, C N 7329
Mathur, K C 5457
Matossian, A M 6589
Matschullat, G 6709
Matsumoto, Y 5458
Matsushima, J K 6912
Matta, A 6010
Matthews, G A 7395
  7396
Matthews, L J 7042
Mattson, W J 5033
Matusevicius, A 6931
Maubecin, R A 6516
Maurice, Y 6779
Maxie, E C 6090
Maxwell, F G 6197
May, J 6219
Mayer, D P 7358
Mayer, K 6220
Mayer, V 6710
Mayhew, R L 7359
Mayne, R Y 7268
Mazumdar, N K 5721
Mazzucco, K 5099
McAlpine, D K 5100
McBride, R P 6011
McCarty, M K 5839
  6363, 7293
McClelland, G A H 5722
McClure, T J 6711
McComb, C 5459
McComb, C W 6221
McCormick, L L 6378
McCoy, R E 6138
McCoy, R H 6712
McCrea, M R 6796
McCulloch, B 6769
McDaniel, H A 6630
McDonald, D 7185
McDonald, W C 5896
McElroy, W D 5531
McEnroe, W D 5460
McEntee, K 6627
McFarland, S U 5603
McFarlane, E S 6713
McGill, A E J 7121
McGillivray, W A 7061
McGinnis, J 6518
McIlwain, P K 6714
McIntosh, D L 6012
McIntosh, R A 6013
McIver, S B 5461
McKay, D 5462
McKercher, D G 6715
  6716
McKinley, D J 5240
Mckinley, W P 7082
McKnight, M E 5463
McLachlan, A J 5101
McLean, G D 5930
McLean, L A 5819
McManus, M L 5464
McMurphy, W E 5826
McNeill, J C 6904
McPhail, J 6014
McSheehy, T W 5717
Mebus, C A 6845
Mecs, I 6791
Medzevicius, A 6964
  6971
Meers, G H A 5365
Mehra, B P 5465
Meleney, W P 6900
Melinikov, N N 7360
Melloni, T 5820
Melton, M L 6811
Mendonca, N T de 6080
Menges, R M 6364
Menzel, D B 7323
Menzel, R 5466
  5672
Mercer, H D 6717
Mereminsky, A I 6972
Merkal, R S 6672
Merkle, M G 6331
Mermerski, K 6718
Merritt, D L 6222
Merwe, S van der 5102
Mesheryakova, I C 6719
Messiaen, C M 6015
Messner, B 5103
Metcalf, R L 5679
Meyer, D 5467
  5468
Meyer, H 6720
Meyer, J 5449
Meyer, N L 6721
Meyer, R C 6722
Meynadier, G 5469
Mglinetz, V A 5723
Michail, S H 5857
Michel, R L 6723
Michelson, A M 6081
Michener, C D 5570
Michna, S W 6724
Michoulier, J 6452
Micklem, E M 5821
Micks, D W 5470
Miczynska, Z 5976
Mikes, M 6623
Mikolajski, M 5724
Milanov, M 6725
Miles, J R W 7122
Miles, J W 5713
Miles, V I 4972
Milic, M 7269
Milicic, D 6016
Millar, A W D 5822
Millemann, R E 7094
Miller, B E 5767
Miller, D D 5725
Miller, D L 6415
Miller, D R 5884
  5895
Miller, F R 7270
Miller, G R 6365
Miller, J F 6366
Miller, J H 7222
Miller, L L 7361
Miller, M P 6124
Miller, N L 6582
Miller, P L 5222
Miller, P M 6299
Miller, R L 5471
  5472, 5802, 6017, 6223, 6224
Miller, W H 5473
Miller,p 6018
Milojic, B 7123
  7271, 7272
Milovanovic, S 7300
Minar, J 6895
Minks, A K 5474
Minshall, G W 5475
Minton Jr, S A 7186
Minton, N A 5974
Miroslava, L 6825
Mishra, D 7273
  7274
Mishra, M D 6048
  6049
Mishra, N K 6973
Misovic, M 7123
  7227, 7271, 7272
Mitchell, A E 5804
Mitchell, C J 5476
Mitchell, F G 6090
Mitchell, J A 6153
Mitchell, R G 6226
Mitov, N 6019
  6020
Mitrovic, A 7279
Mitrovic, M 6707
  6726
Mitruka, B M 5477
Mitsuhata, K 5963
  5972, 6103
Mittal, O P 5478
Mittler, J E 5726
Mittler, S 5726
Mittler, T E 5479
Miyazaki, M 5104
Miyazato, M 4973
Miyazauna, E E 6227
Mladenovic, L 6367
Mockford, E L 5105
Modell, W 5763
Moeller, F E 5348
Mohamed, A H 7187
Mohamed, J S 6710
Mohammadian, M 6430
Mohlmann, H 6727
Mohrig, W 5103
Moine, J P 6728
Moiseeva, T S 5385
Monaco, T J 6357
Monastero, S 5480
Monk, C D 5268
Monlux, W S 6672
Monroe, R E 5481
Monsbourgh, M J 6521
Montalbano, S 5470
Montelaro, J 6396
Montemagno, F 6729
Monteoliva, M 6966
Mookherjee, P B 7037
Moore, J G 6974
Moore, T C 7275
Morales, A 6324
Morales, E M 6975
Morales, G G 6730
Moravcova, V 7076
Morelj, M 6623
Morita, M 6735
Moritz, M 5103
Moriya, I 6103
Morohoshi, S 5482
Morris, N 6976
Morrison, F O 5716
Morrison, P E 5390
  5391, 7252
Morrison, R B 5521
Morrisroe, L 6977
Morseth, D J 6978
Mortensen, W P 5781
Morton, D J 6021
Moscovici, C 6731
Moscovici, M G 6731
Mosebach, E 6169
Moses, V 6732
Mosier, A R 7361
Moss, W W 5106
Mostafa, I E 6733
Mota, I 6979
Motohiro, T 7069
Moucha, J 5010
Mouchet, J 5708
Moyle, G G 6633
Mozier, J O 6902
Muceniece, G 5894
Muchmore, W B 5107
Mucke, W 7341
Mueller, M 7077
Mughetti, L 6476
Muhlenberg, M 5483
Mukerjea, T D 5484
  5823
Mukerji, M K 5485
Mukherjee, A K 6022
Mukula, J 6368
Mulla, M S 5486
Muller, J 5487
Muma, M H 5108
Munch-Petersen, E 6734
Munday, B L 6708
  7188
Munoz, J E 6369
Munroe, E 5109
Muraleedharan, K 5488
Murayama, J J 5110
Murphy, F A 6611
Murphy, H C 5824
Murray, D S 7276
Musaev, T 6023
Muth, O H 6865
Mutuura, A 5109
Myers, W L 6562
Nachman, M 7171
Nadchatram, M 5111
  5489
Nagasawa, S 5490
Nagatomi, A 5491
Nagy, C G 5492
Naidu, M B 5549
Nakamatsu, M 6735
Nakamura, K 5493
Nakamura, T 6736
Nakanishi, A 5600
Nakanishi, Y H 5727
Nakashima, T 5984
Nakatsugawa, T 7189
Namekata, T 6059
Nandpuri, K S 5825
Nanjiah, R D 6680
Napi-Acedo, G 6024
Narahashi, T 7190
Narain, P 5734
Narang, S L 5737
Narasimhan, M J 5494
Narasimhan, V 6025
Narayan, O 6737
  6738
Nariani, T K 6092
Nasir, P 6980
Nassar, R F 5728
Nasu, S 6228
Natarajan, C 6739
Nation, J L 5565
Natscheff, B 6740
Nauriyal, J P 5825
Navaratnam, S J 6026
Nayar, K K 5386
Nayar, R 6027
Neal, F C 6717
Neal, J W 6185
Nedergaard, S 5651

Nefedov, V N 5495
Negi, N S 7292
Negut, M 6774
Neilsen, L T 5112
Nelson, B C 5113
Nelson, E V 5496
Nelson, G H 5114
Nelson, M J 7152
Nelson, R R 6068
Nene, Y L 6028
Nepli, G N 6229
Neskovic, M 7277
Nester, R P 6370
Neto, L Z 7067
Netto, L P 6768
Neubauer, S 6040
Newcomer, V D 6688
Newland, L W 7362
Newman, R 6371
Newton, R C 5961
Nicholas, W L 5375
Nichols, J T 5826
Nickle, W R 5497
Nicolas, G 5498
Niehuhr, R 6540
Niemczyk, H D 6158
7122
Nigam, S K 6741
Niklas, O F 5499
Nilakantan, P R 6739
6755
Nilan, R A 7022
Nilsson, M R 6742
6743, 6765
Ninan, T 5729
Ninokata, K 4973
Nishiitsutsuji-Uwo, J 5500
5501
Nishiyama, S 6460
Nitavskaya, S 6744
Nonveiller, G 6230
Noordink, J P W 5451
5502
Nordlander, R H 5503
Nordstoga, K 6745
Norment, B R 7191
Noronha, F 6746
Norris, r F 7230
Norris, J R 6747
Noshkin, V E 7070
Notani, N K 7256
Noujaim, A A 6981
Nour, M A 5946
Nunes, J 6855
Nunn, P B 7311
Nutti, P 6175
Nyberg, P A 6748
O'Brien, T J 7278
O'Farrell, T P 6533
O'Neill, D K 7124
O'Rourke, E N 5850
Oahms, R G 6231
Oberle, G D 6232
Obraztson, N S 5115
Ocokoljic, S 7279
Oda, K 5425
Odinets, A A 5504
Odum, W E 7125
7126
Oertli, J J 7243
Oftedal, P 5630
Ogata, M 6752
Ognev, V A 6439
Ogrinz, E 6707
Ohder, H 6766
Ohnesorge, B 5827
Oktyabrskaya, T A 5504
OKukewick, J P 5829
Okuma, S 6617
Oldfield, J E 6865
Oldroyd, H 5116
Olesiuk, O M 6823
Olexik, W A 6982
Olimpieri, R 6233
Olinger, L D 7280
Olsen, O A 5828
Olson, C 6757
Olson, L D 6749
Olthof, Th H A 6300
Oman, P 5117
Ondrej, M 5730
Opheim, M 5505
Oram, R N 6750
Orfila, J 6751
Orlov, I V 6983
Orlovskaya, E V 5506
Orr, J P 5345
Orts, S 5029
Osada, Y 6752
Osborne, E M 5507
Osborne, G O 5508
Oshanina, N P 6030
Oshima, Y 6752
Osman, F B 6915
Osman, M F 5346
Osmolovskaya, V I 6435
Ostlund, K 7062
Otto, G F 6984
Ottoboni, A 6753
Ou, S H 6031
6032
Oudar, J 6656
Ouedraogo, C S 5351
Ouwerkerk, H 6457
Ovcharov, K E 6030
Overmeer, W P J 5731
Owens, S L 5726
Ozawa, Y 6754
Ozer, M 6234
Ozer, M . 6235
Ozkazanc, A N 5509
Paddick, R G 6033
Padmanabhanaidu, B 5510
Padre, E S 6301
Pagani, P 7127
Page, O T 7096
Paim, U 7096
Pajni, H R 5511
5512, 5513
Pal, B P 6034
Palit, A 6755
Palmateer, S D 7171
Palmer, H B 5416
Paltrinieri, A 6756
Palumbo, S A 7047
Pamukcu, A M 6757
Panasyuk, D I 6985
Panciera, R J 6758
Pande, B P 5488
6759, 6926, 7009
Pande, Y D 6236
Pandey, S N 5514
Pandurov, S 6760
Panina, Z A 6986
Panishin, I V 5515
Panisset, J C 7086
Panjevic-Blazekovic, 6945
Pant, N C 5230
Papendick, R I 6088
Papillon, M 5255
Papp, G P 7363
Paradis, R O 5465
6237
Parisi, G 5232
Parkash, O 5732
Parker, F 5593
Parker, R 6333
Parrot, W L 6197
Parshad, R 5737
Parsons, J A 5554
Parsons, P A 5711
Parsonson, I M 6561
Partyka, R E 6017
Pascoe, R R 6480
Passlow, T 6238
Patchett, A A 7364
Pate, T L 5516
Patel, K P 6297
Patel, M K 5912
Path, M C 6724
Pathak, R C 6761
Pathak, V N 6035
Patil, R F 6680
Patt, J K 6486
Patton, R L 5309
Paul, H L 6003
Paul, S C 7274
Paviour-Smith, K 5517
Pavlova, I B 6477
Pawlowski, J 5518
Payne, J A 6533
Paynot, M 7281
Pchelkina, A A 6910
Pease, R W 5519
Peck, C K 5520
Peirce, M A 6987
Pelikan, J 5118
5119
Pellegrini, N 7000
Pendleton, I R 5521
Pendleton, J A 6517
Pener, M P 5522
Penev, P 6685
Pennington, K M 5120
Pennington, N E 5765
6988
Peo, E R 7016
Peoples, S A 7192
Pepe, F A 5648
5649
Pepper, R E 5477
Percy, J E 5670
Peregrine, W T H 6036
Peregudova, L A 5783
Perera, N 6405
Perera, P A C R 5523
Perez, B S 6762
Perron, J M 5221
Perry, A E 6982
Perry, A S 5713
Perry, V G 6305
Peshev, S 6718
Peskova, R 7282
Pesson, M P 5524
Peswani, K M 6239
Petermann, H G 6534
Peters, R F 5525
Peters, W 5526
Peterson, E T 6635
Peterson, J L 6037
Peterson, K J 6763
Peterson, L H 7369
Peterson, M R 7087
Petkov, M 5687
Petkova, P 6336
Petrescu, A 6764
Petty, B K 6240
Petushkova, E V 7365
Peus, F 5121
Pfander, W H 6857
Pfeffer, C 6038
Phatak, H C 6049
Phelps, C A 5765
6988
Phelps, R J. 4974
Pianka, M 5527
Pichon, Y 5528
Pickering, J 5830
Piegas, N S 6765
Pienkowski, M 6989
Pierotti, P 7000
Pierre, L L 5295
Pijnacker, L P 5529
Pillai, M K K 5342
5530
Pini, A 6523
6524, 6766
Pinkiewicz, E 6767
6989
Pinto, A A 6768
Pipkin, A C 4975
6875
Pipkin, S B 5733
Pirie, H M 6643
Pittendrigh, C S 5500
5501
Pivar, G 6372
Place, G A 6039
Plant, P J 5531
Plapp, F W 5532
Plilipp, W 6241
Ploszynski, M 7223
7248
Plowright, W 6769
Plyashchenko, S I 6770
Pocha, P 6536
Pohl, P 6771
Poinar, G O 5533
Polak, Z 6040
Polityka, C S 5481
Pollack, J D 6772
Polley, J R 6773
Polyakov, P V 6041
Pomeroy, A P 6597
Pomeroy, B S 6483
6548
Ponce E, C 5760
Ponnappa, K M 6042
Ponomarenko, V F 5495
Ponsen, M B 5534
Ponyi, J E 7128
Popescu, N 6043
Popescu, V 5831
Popham, E J 5122
5123
Popovici, M 6774
Porchet-Hennere, E 5535
Porro, R 6654
Porter, C C 5124
Porter, L K 7129
Portugal, M A da Sc 6742
Posada O, L 6282
Pospelova-Shtrom, M V 5125
Pospisil, J 5691
Pouwels, H 7017
Povilaitis, V 6472
Povolny, D 5126
Povyakel, L I 6990
Powell, J A 5536
Poyarkov, A A 6991
Prabho, S S 5734
Prabhu, A S 5980
Prabhu, S S 5721
Pradhan, G C 7273
Prange, H 6992
Prasad, I J 6775
6776
Prasad, R S 5283
Prasher, P 5832
Preston-Mafham, R A 6777
Preston, R L 6857
Price, C 5833
Price, R D 5127
Price, T H 7059
Prichard, R K 6993
Pringle, J W S 5456
Pristavko, W P 5537
5538
Prisyagina, L A 5766
Probst, A 6778
Probst, P 5539
Proctor, E M 6976
Proctor, H M 6747
Proctor, V W 6436
Procunier, D 5740
Provost, A 6779
6780, 6781
Prucoli, J O 6999
Prydie, J 6782
Pschornwalcher, H 5695
Pshenichnov, R A 6783
Pubols, M H 6518
Puglielli, L 7298
Puiseux-Dao, S 5966
Purchase, H G 6784
Purdom, C E 5717
Puttaswamy Gowda, B S 7283
Puzzi, D 7028
Qadri, N N 4980
Queiroz, J C 7043
Quinlan, J 5128
Quintanilla, R H 5540
Qureshi, S S 7034
Qutubuddin, M 5240
Raa, J 5834
Racey, P A 5314
Rachesky, S 7193
Radha, N V 6150
Radova, E 7044
Radu, V Gh 5541
Radwan, M A 7284
Raeuber, A 5675
Rahm, U 7045
Rai, K M 6204
Raicev, V 6774
Rail, C D 5767
Rainey, J 6578
Raisyte, D 6994
6995
Rajagopal, P K 5542
5543
Rajagopalan, C 5544
Rajulu, G S 5545
5582
Rama, A M 7194
Ramadasan, A 5383
Ramalingam, M 6025
Ramamurthi, B N 5129

Ramiah, E 5546
Rammer, I A 5547
Rammer, L 7195
Ramsay, G W 5130
Ramsey, F K 6672
Ranade, V V 6536
Ranaweera, D J W 6171
Randall, W K 6279
Rangaswami, G 5891
Rankov, V 6373
Rao, N S K 6996
Rao, R S N 6201
Rao, Y P 6093
Rapeanu, M D 7196
Rapilly, F 6044
Rasmusen, B A 6722
Rast, A T B 6045
Rauch, F 6693
Ravindranath, V 6063
Rawat, R R 6246
Rawat, S 5734
Rawther, T S S 5841
Raychaudhuri, S P 6031, 6046, 6047, 6048, 6049, 6050
Raymer, W B 6051
Raynaud, J P 6997
Raynaud, P 5548
Reardon, L V 6998
Rebowska, Z 6052
Recio, R 5760
Reda, I M 6785
Reddy, G 5549
Reddy, P S 5201
Redfern, R 7198
Redhead, I H 7197
Redmond, K R 5550
Redner, J H 5020
Reed, L B 6242
Reed, W T 5551, 5552
Rees, D M 5768
Reese, D R 6611
Regel, E K 7366
Regner, B 7062
Regnier, F E 5553
Reichstein, T 5554
Reid, B L 7212
Reid, W M 6498
Reigner, I C 7078
Reiskind, J 5555
Rekos, J 5556
Renaud, R 6053, 6054
Requena, J R 6145
Retan, A H 5394
Reuss, K 6786
Rexrode, C O 5557, 6055
Reyes, A A 6056
Reyes, L 5933
Reynolds, D A 6074
Rezk, M R 7285
Rhoades, K R 6787
Ribaldi, M 6476
Rice, C E 6788
Richards, A G 5558
Richards, O W 5131
Richards, P A 5558
Richards, P V M 6374
Richardson, A 7130, 7131
Richardson, H P 6128
Richmond, C A 5559
Richter, S B 6375, 7358
Ricker, W E 5132
Riddell, C 6789
Riddiford, L M 5560
Rieck, W L 7276
Riemann, H 7063
Riemenschneider, M N 6630
Rieth, P L 6903
Riewe, M E 6904
Rijavec, M 6965
Riley, N D 5133
Rindge, F H 5134, 5135
Rininger, B F 6998
Riordan, D F 5359
Riotte, J C E 5136
Risebrough, R W 7079
Rivera, C T 6032
Rivers, C F 5561
Rizfi, S M A 6250
Rizki, T M 5562
Robaj, B 6767
Robartson, C W 7397
Robaux, P 5137
Robb, J A 5563
Robbins, W E 5835, 6835
Roberts, D W 5564
Roberts, I H 6900
Roberts, M 7130
Roberts, R S 6257
Robertson, P S 7061
Robeson, C D 7335
Robillard, N F 6545
Robinson, E A 6715
Robinson, F A 5565, 5769
Robinson, J 7121, 7130
Robinson, J. 7131
Robinson, R A 6794
Robocker, W C 5836
Rocca de Sarasola, M 6066
Rocha, U F 6999
Rochaix, M 6376
Rock, R C 7411
Rodin, J O 5217
Rodrigues, F M 6765
Rodriguez M, L 6980
Rodriguez-Kabana, R 7236
Rodriguez-Rebollo, M 6377
Rodriguez, I G 6790
Rodriguez, R 6145
Roger, J C 7207
Rogers, A H 5566
Rogers, A J 5750
Rogers, E F 7364
Rogers, M N 7286
Rogers, R L 6378
Rogerson, A B 6357
Roissard, J P de 6849
Romain, J L 5297
Romaniuk, J 6644
Romanovskaya, O 7301
Romascu, E 6057
Romboli, B 7000
Rooney, C S 7369
Roosje, G S 5909
Rorison, I H 6058
Rosay, B 5567
Roselle, R E 5405
Rosenow, D T 5933, 7270
Ross, H H 5132
Ross, J G 7001
Ross, M H 5735
Ross, S 6243
Rossetini, S M O 7024
Rossetti, V 6059
Rostron, A 6379
Rosztoczy, I 6791
Roth, E 6792
Rothschild, M 5554
Rougeot, P C 5138
Rouse, B T 6737, 6738
Rowe, F P 7198
Rowell, C H F 5371, 5568
Rowlands, W T 7002
Rowley, D 5462
Roy-Noel, J 5569
Roy-Smith, F 7003
Roy, A K 6793
Royal, W A 6794
Rozen, J G 5570, 5646
Rubin, B A 6060
Rubin, R 6912, 7004
Rudi, F W 7367
Rudolphi, M 7114
Ruegg, J C 5571, 5572
Rufenacht, K 7368
Ruff, J P 5573, 5770
Ruggeri, L 6488
Ruhm, W 5574
Rukavina, J 6922
Rumberg, V 5982
Rumyantsev, S N 6505
Ruperez, A 5575
Russell, F E 7199
Russell, R 6061
Russell, R C 6350
Rusu, M 6802
Ruszkowska, M 7287, 7288
Ruttle, J L 6795
Ruzicka, J H 7326
Rweyemamu, M M 6796
Ryan, A J 5368
Ryan, K C 6629
Rybak, M 7149
Rybakova, M N 7201
Ryckman, R E 5181, 5576
Ryke, P A J 5040
Rynkal, Z 6339
Saarisalo, A 5837
Sabanayagam, J V 6001
Sabatini, A 5699
Sabet, K A 6062
Sabrosky, C W 5577
Sackston, W E 5890
Sadanaga, K 5824
Sadaphal, M N 6063
Sadek, I M 6479
Sadler, W W 7063
Sadun, E H 6979
Saha, J G 7132
Sahai, D 7029
Saikia, P N 6244
Saito, J K 6715
Sakagami, S F 5578
Sakimura, K 5139
Sakurai, H 5579
Sakurai, Y 6064
Salamanna, G 5141
Saltenis, B 6065
Salutini, E 6756
Samsinak, K 5140
Sanchez-Rasero, F 6966
Sander, H 6302
Sanders, D P 6904
Sandhu, K S 6075
Sandner, H 5580
Sandoval Delcolle, R 6538
Sandvig, D C 6683
Sanger, W G 5725
Sankaran, T S 5581
Sannasi, A 5582
Sans, W W 7122
Santalo, R C 4976
Santelmann, P W 7232
Sanyal, R K 6475
Sara, M 5141
Sarasola, A A 6066
Sarett, L H 7369
Sargent, J A 7289
Sargent, T D 5583, 5584
Sarma, A K 6244
Sasaki, S 7290
Sasser, L B 6797
Sathiamma, B 6218
Satija, R C 5585, 5586, 5587, 5588
Sato, A 5652
Saulmon, E E 6798
Saunders, G W 6245
Savel, H 6799
Savic, S 7300
Savile, D B O 6067
Savinkova, L N 7005
Savov, D 6636, 7054
Savulescu, A 5838
Sawicki, R M 5736
Saxegaard, F 6745
Saxena, D K 6246
Sayed, H I 6548
Scanes, S G 7378
Scaramelli, N 5183
Scarpelli, E 5589
Schabort, J C 7291
Schaefer, C H 5590, 5591
Scharrer, B 5356
Schedl, K E 5142
Schegoleva, L I 5592
Scheibner, R A 5593, 6247, 6905
Scheifele, G L 6068
Schicha, E 6576
Schidlovsky, G 6800
Schildknecht, E G 6726
Schimmel, D 6801
Schisler, L C 6069
Schlatter-Lanz, I 5468
Schlatter, C. 5594
Schlatter, Ch 5468
Schmid, H 5468, 5594
Schmidt, D 6792
Schmidt, J 6169
Schmiege, D C 5353
Schmittle, S C 6498
Schobesch, O 6802
Schofield, P J 6993
Schonbeck, F 6070
Schoop, G 6858
Schoss, P 6803
Schothorst, M van 7064
Schrader, G 7370
Schreier, O 6248
Schroeder, H W 7200
Schroth, M N 6071
Schule, W R 5595
Schultz, D P 7292
Schute, J 6804
Schutzler, H 6727
Schwartz, H 7371
Scifres, C J 5839, 6363, 7293
Scott, F W 5596
Scott, J H 6380
Scott, P R 6072
Scudder, G C E 5143
Seawright, A A 6511
Sebesta, K 5597
Sega, G A 5437
Segal, D B 6437
Segre, D 6562
Seif, R D 6343
Seifter, S 5356
Seippel, S 5321
Sela, I 6073
Sell, J L 6607
Sell, W J 5840
Semancik, J S 6074
Semerad, R G 7065
Sen Gupta, A K 7259
Sen, K C 6805
Sen, K S 6806
Senf, W 6807
Senger, M 5301
Sengupta, N 4977
Senutaite, J 7006
Senvak, M V 6882
Sequeira, L 5985
Serbezov, V 6681
Serra, R G 6999
Serres, H 6426
Seshadri, S N 5841
Sethi, M S 6591
Sethunathan, N 7133
Settues, O P 6808
Sevoian, M 6612, 6809
Shafik, M T 7398
Shaiman, M S 6810
Shanmugham, K 5401
Sharma, D 6075
Sharma, G L 6484, 6485
Sharma, G P 5737
Sharma, M L 5585
Sharma, R P 5715
Sharma, S R M 6438
Sharma, U D 6442
Sharp, N C C 6643
Shatoury, H H 5598
Shaw, D E 6076
Shaw, J G 6265
Shaw, W C 6381
Shaw, Z A 6153
Sheffield, H G 6811
Shekhurina, T A 5599
Shemanchuk, J A 6812
Shepard, C C 6813
Shepherd, J A 6303
Shepherd, J L 7399

Sherstnev, E A 5877
Shiga, M 5600
Shikata, E 6077
Shilova, S A 6439
Shinkle, M 5601
Shipe, W F 7119
Shipton, W A 6078
Shiyomi, M 5602
Shokeir, A A 6785
Shorey, H H 5603
Shortino, T J 5835
Shoup, J R 5738
Shrivastava, S K 7372
Shrivastava, S P 5604
Shriver, D 6185
Shtenberg, A I 7201
Shull, A 7101
Shults, R S 7007
Shumakovich, E E 7008
Shupe, J L 6814
6815
Shvetzova, O I 5605
Sihoo, R 6604
6816
Sick, H 5606
Sidor, C 6249
Sidorov, V T 6770
Siebel, H 6453
Sigel, E M 6069
Sijpesteijn, A K 5834
Sikorowa, A 5607
5608
Silherschmidt, K 5885
6079
Silveira, A P da 5901
6080
Silverstein, R M 5217
Simhwa-Bunnya, M 5962
Simco, J S 5430
6896
Simeonov, S 6718
Simmons, G C 6487
Simoff, I 6740
Simon, J 6722
Simon, M de 6764
Simpson, C F 6817
Simpson, P J 6599
Sinden, J W 6069
Sinel'shchikov, V A 6906
Singeorzan, E 5899
Singer, B 6081
Singer, K M 5739
Singh, B V 6082
Singh, C M 6818
6853
Singh, D 6083
Singh, G 6819
Singh, G R 6084
6853
Singh, H 6250
Singh, H P 5734
Singh, Harcharan 6251
Singh, I P 6655
Singh, K 6304
Singh, K G 6085
Singh, K R P 5227
5609
Singh, K S 6924
6925
Singh, N 6361
Singh, O P. 6075
Singh, P 5229
7009
Singh, R P 6086
7294
Singh, S 5610
5842, 5980
Singh, S N 7299
Singh, S R 6252
Singh, V B 6483
Singh, W 6093
Singla, C L 5611
Singsen, E P 6789
Sinha, A K 6253
Sinha, R C 5612
Sinodinos, E 6550
Sinoir, Y 5436
5613
Siriez, H 6254
7134
Siriez,h 7080
Sirlez, H 6411
Sirry, A R 5867
Sitta, G 5614
6087
Skaff, V 5621
Skaptason, J B 7371
Skavronskaya, A G 7373
Skene, K G M 7295
Skolmen, R G 5843
Skroch, W A 6357
Slater, J A 5144
Sleesman, J P 5472
6017
Slife, F W 6382
Slikas, A 6959
Sloan, C A 6907
Sloane, L W 6378
Smale, C J 6864
Smalley, E B 6083
Smalley, H E 7202
Smart, G C 6305
Smeal, M G 7010
Smiley, R W 6088
Smirnoff, W A 5615
5616
Smirnov, A A 6439
Smirnov, G B 7373
Smirnov, M I 6820
Smith, C M 7296
Smith, D H 5729
6622
Smith, E M 5316
6383
Smith, F F 5395
Smith, H W 6821
Smith, J L 7066
Smith, K J 7135
Smith, K M 5197
Smith, M E 4978
Smith, O E 7191
Smith, P M 6089
Smith, R J 6384
Smith, R T 5824
Smith, R W 6412
Smith, S M 5617
Smith, W C 7015
Smithson, T W 5722
Smolinski, M 6948
Smyser, C F 6823
6824
Smyth, J R 6612
Smyth, P J 6822
Snitzer, C M 6385
Snoddy, E L 5771
Snoeyenbos, G H 6823
6824, 6836
Soans, L C 6022
Soare, L 6774
Soboczenski, E J 6386
Soerensen, B 7067
Sofrenovic, D 6825
Sogawa, K 5618
Sohoni, A D 6826
Sokanovskij, B V 5145
Soliman, S A 5619
Solomon, J J 6784
6872, 6873
Solomon, P 6948
Somerson, N L 6526
Sommer, N F 6090
Sopper, W E 7078
Southcott, W H 6827
6828, 6829
Southern, P J 7297
Sowell, G 6091
Sparrow, A H 7298
Spassky, B 5702
Spears, J F 5620
7136
Speers, G M 6415
Speirs, J I 5811
Spencer, W 7400
Sperber, W H 7056
7068
Spero, G B 7374
Spieksma, F Th M 5028
Spielman, A 5621
Spilsbury, R D 6340
Spindler, L A 6830
Spisni, D 7203
Sprague, J B 5622
Spring, H W 5684
Sproston, T 7375
Sprovieri, R 6831
Spyropoulos, G S 7325
Sreenivasan, T N 6092
Srimathi, R A 6027
Srinivasan, K M 7263
Srivastava, A C 7299
Srivastava, B P 6255
Srivastava, D N 6035
6093
Srivastava, R P 5623
Srivastava, T N 5400
Stachurski, A 5624
Stairs, G R 5625
Stamatov, T 6832
Standfast, H A 5626
6908
Stankovic, D 7300
Stanley, R L 6753
Stanova, A 5627
Stanuszek, S 5580
Staples, R 6256
Staples, R C 5908
6879
Stark, A 6257
Stary, P 5146
5628
State of Maine Fores 4979
Stecker, H C 7376
Steele, J E 5629
Steelman, C D 6168
Steen, H B 5630
Steenbergen, F 6712
Steere, R L 5913
Stefanac, Z 6016
Stefaniakowa, B 6657
Stegwee, D 5281
Stelfox, D 5798
Stelmaszyk, A 6116
Stephenson, E L 6432
Sternlicht, M 6258
Sterzl, O 5147
Stevenson, D E 7204
Stewart, J C 7337
7338
Stewart, N E 7094
Stewart, W C 6833
Still, G G 7246
Stinnett, H O 6871
Stockmann, S 5148
5149
Stolbov, N M 6810
Stoltenberg, L E 7296
Stone, E L 7240
Stout, D M 7377
Stoy, V 6095
Stoye, M 7011
Straka, R P 7057
Strassburger, G 6834
Straume, O 7301
Strickland, R K 7012
Stroev, V S 7302
7303
Strong, R G 5631
Stroube, E W 6387
Strydom, D K 6180
Stubbs, R W 6096
Stumpf, H 5571
5572
Sturgeon, R V 6138
Stusak, J M 5632
Su, H J 6097
Subramanian, C V 6098
Subramanian, S 6099
Suga, O 6768
Sugai, E 5634
5635
Sugihara, T T 7070
Sukhija, H S 5258
Sulcs, A 5150
Sullivan, A H 5717
Sullivan, D T 7304
Sullivan, S 7156
Sullivan, T W 6441
Summers, D D B 6431
Sun, S H 6635
Sundaram, N V 6100
Sundaramurthi, V T 6259
Sundaresan, D 6442
Sundt, C N 6795
Surany, P 5636
Surdan, C 6649
Surin, P 5429
Suteeva, T G 6547
Suter, P F 6695
Sutton, D L 7305
Sutton, M E 6443
Suzuki, D T 5739
5740
Suzuki, N 6031
6102
Svatkov, V I 7206
Svec, H J 5357
Sved, J 5702
Svihra, P 6263
Svoboda, J A 6835
Swafford, J 6474
Swain, D J 6388
Swain, K M 5094
Swanepoel, O A 7378
Swanson, R C 7422
Sweatman, G K 5637
Sweet, B H 5638
Swiderski, Z 7013
Swietochowski, B 6389
7306, 7307
Sword, C P 6866
Sy, M 7401
Sykes, A H 6777
Sylk, S R 7014
Syme, J R 7308
Symser, C F 6836
Syrjamaki, J 5639
Szabo, K 7379
Szegli, L 6774
Szent-Ivany, J J H 5341
Szulc, W 5788
Szulinski, S 7149
Szumilak, G 7248
Tachikawa, T 5151
5152, 5153
Tadano, T 5741
Takahashi, F 5640
Takahashi, S 6401
Takahasi, R 6103
Takeda, S 6401
Talaat Abdel-Aziz, M 6444
Talbot, N 6909
Taliaferro, C M 6264
Tanase, C 7196
Tandler, B 5742
Tandon, R N 5981
5989
Tang, C S 5305
Tangri, S 5587
Tanikana, E 7069
Tant, C O 7380
Taom, J R 5845
Tarkiewicz, S 6837
Tashiro, H 6265
Tasnadi, R 7208
Tasselli, E 6464
Tatarov, B 7205
Tatarov, G 6838
Tatchell, R J 5641
Tatishvili, N I 6478
Taylor-Robinson, D 6839
Taylor, B K 6104
Taylor, D J 5753
Taylor, J B 6105
6106
Taylor, R G 7137
Taylor, W P 6840
Teer, P A 6870
Teerink, B J 5410
Temkin-Gorodeiski, N 7025
Tempe, J de 6107
Templado, J 5642
Tendler, M D 6445
Terpstra, J I 6457
Terrell, E E 5824
Terrinha, A 6855
Thain, R I 6841
Thobbi, V V 6063
Thomas, J 6771
Thomas, J R 7309
Thomas, R J 7015
Thompson, D L 5846
Thompson, M J 5835
Thompson, S S 6266
Thomson, J 7138
Thornberry, H H 6108
Thornbill, H B 6391
Thornhill, E 7396
Thornton, I W B 5643

Thorsteinson, A J 5458
Thyr, B D 6109
Tikasingh, E S 5188
Tikhomirova, A S 7242
Tilden, P E 5217
Timberlake, P H 5154
Tipton, V J 5174
Tischler, W 5644
Titiskyte, L 6971
Tjia, B O S 7286
Tkalcu, B 5155
Toan, T H 6110
Tobias, D 5645
Tobias, W 5645
Todd, F A 6307
Tolman, N M 7189
Tolstopyatenko, A F 6842
Toms, W J 6362
Toneva, V 6843
Topolko, S 6608
Torchio, P F 5646
Torell, P J 5836
Toriyama, K 6111
Tornow, W 5847
Toro, H 5647
Toselli, P A 5648
  5649
Tostanovskaya, A A 7206
Tourtellotte, M E 6772
Tower, B A 6416
Toyoda, F 5425
Trainer, D O 6530
Traub, R 5156
Treece, R E 6899
Tregear, R T 5456
Trifonov, D 6112
Tripathi, R L 6267
Tripathi, S N 6113
Trojan, P 5402
  5650
Troll, J 6114
True, R P 5947
Trussell, P C 7046
Tsetlin, V M 5660
Tsukamoto, M 5604
Tsuneki, K 5157
Tsvetkov, A 6598
Tufano, A 7139
Tuomi, J 6844
Turbeck, B O 5651
Turel, F L M 6115
Turner, J E 6395
Tweedie, W R 6078
Tweedy, B G 7265
Twiehaus, M J 6845
  7016
Tyborska, B 6116
Uchikawa, K 5652
Ulfstrand, S 5653
Ulrich, H 5684
Underdahl, N R 6845
  7016
Unger, V H 6323
Ungureanu, E M 7381
Ungureanu, L 7381
Upadhye, A S 6680
Upholt, W M 7424
Upshall, D G 7207
Urabe, N 5482
Urban, S 5654
Ureche, L 6802
Uspensky, I V 5772
Utsumi, S 5727
Uyemoto, J K 5949
Vago, C 5160
  5945
Vagt, W 6268
Vail, P V 5655
Vaka, J J 7334
Vamos, R 7208
Van Den Anker, C A 5451
  5502
Van Den Bosch, R 5656
Van Der Laan, P A 5657
Van Der Meer, S 7017
van Hauerbeke, G 6452
Van Haverbeke, G 6646
Van Houweling, C D 7209
Van Rensburg, N J J 7378
van Rensen, J J S 5914
Van Zyl, H J 6180
Vance, A M 5658
Vane-Wright, R I 5161
Varga, M 7310
Vargas, J M 6138
Vargas, V M 5659
Varma, S D 6846
Vashkov, V I 5660
Vasileva, L 6847
Vassiliades, G 6603
  6946, 6947
Vasvary, L M 5661
  5662, 5663
Vaughan, W D 6459
Vaugien, P 6848
Vaurie, P 5162
Vazquez, C G 6377
Veba, M R 6332
Veen, K H 5664
Vega, A 7311
Vega, A E M 6856
Veldkamp, J F 5744
Velev, B 6392
Velicer, L F 6573
Velsen, F P J 7210
Venkatraman, T V 5319
Vercammen-Grandjean, 5163
Verdier, M 5665
Verhoeff, K 6118
Verine, H 6452
  6849, 6850, 6851
Verma, G S 6119
Verma, H N 6119
Verma, J K 6393
Verma, K C 6852
  6853
Vertregt, N 7312
Veselov, A I 5848
Vesselinova, A 6854
Vevai, E J 7211
Vez, A 6394
Vicari, G 6883
Vigario, J 6855
Viktorova, G V 5707
Villa, L J 6856
Villiers, A 5164
Vinson, S B 5516
Vipperman, P E 6857
Virkki, N 5743
Vitomska, R 5666
Vivian, G W 7415
Vizio, E 6516
Vogel, F 6120
Vogel, W G 7145
Volchok, H L 7070
Volkova, A P 5660
Volskis, G 6959
  7018
von Euw, J 5554
Voronina, E G 5299
Voronova, L D 6439
Vos, N M De 7313
Voss, G 7382
Voute, A D 5667
Vreezen, W J 5744
Vrigazov, A 7140
Vukovits, G 6121
Wachendorfer, G 6858
Wachtel, W 6859
Wada, E M 6715
Waddell, M T 7101
Wade, E K 5951
Wagner, E 5165
Wagner, L J J 6880
Wahdan, M H 6710
Waiss, A C 7383
Walden, C C 7046
Waldner, E E 5594
Waldrep, T W 6357
Waldroup, P W 6432
Walewaja, J D 7314
Walker, J C 6122
Walker, J S 6653
  6860
Walkowski, L 6644
Wallace, W R 6541
Waller, G D 5668
Wallihan, E F 6123
  6124
Wallis, R C 5761
Wallis, R L 6395
Walsh, J P 6446
Walton, G S 7402
Wandera, J G 6861
Warcholowa, M 7315
  7316
Ward, G M 6797
Ward, J 6269
Ward, L K 5166
Ware, G W 6270
Warmbrunn, K 5849
Warren, E W 6629
Wascom, B W 5850
  6341, 6396
Washburn, K W 6862
Wasserburger, H J 7384
Watanabe, S 6863
Wathanakul, L 6125
Watkin, B R 6828
Watson, J A L 5669
Watson, R M 6840
Watters, F L 5384
Watts, J G 6271
Wawrzkiewicz, J 6658
  6864
Weatherston, J 5670
Webb, R E 6242
Weber, C W 7212
Weber, F 5745
Weerapat, P 6125
Wehlburg, C 6126
Wehner, R 5671
  5672
Wehrmeister, H L 6447
Weidner, H 5673
Weigt, U 7213
Weihing, J L 6135
  6136
Weindlmayr, J 6127
Weintraub, M 5918
  5919
Weis, G 5951
Weischer, B 6308
Weismann, L 5674
Weisse, I 6448
Weitzel, K 5675
Weldon, L W 6397
  6398
Wellso, S G 5729
Wenger, C J 5962
Werner, R A 6272
Wershaw, R L 7081
Wertheim, E 6273
Wesch, W D 6540
West, S H 7294
Westdal, P H 6128
  6274
Westlake, W E 5486
Westover, J D 7244
Weswig, P H 6865
Wetstein, H 7385
Whanger, P D 6865
Wheals, B B 7326
Wheeler, A W 7317
Wheeler, J L 6828
Wheeler, J R 5767
Whelchel, K E 5689
White, A 6129
White, A F 7349
White, A G 5566
White, D A 5167
White, D F 5676
White, E H 5531
White, G A 5851
Whitehair, C K 6723
Whitehead, R A 6130
Whiteland, A P 6766
Whitfield, F B 5257
Whitman, L 5761
Whittlestone, P 6597
Whybrew, J E 6399
Wichert-Kobus, I 7318
  7319
Wickersham, E W 6679
Widmoyer, F B 7304
Widstrom, N W 5852
Wiebes, J T 5168
  5169
Wiegand, H 5677
Wiesner, E 7214
Wieten, T 5925
Wijngaarden, T 6131
Wilbert, G 7385
Wilcoxson, R D 5921
  5922
Wildbrett, G 7114
Wilder, M S 6866
Wiley, M 7383
Wilhelm, A F 7320
Wilhelm, W E 6982
Wilkinson, J S 6867
Willette, R E 6536
Williams, A S 6247
Williams, C B 6275
Williams, E P 7359
Williams, J D 6750
Williams, J E 6868
Williams, K I H 6444
Williams, M C 5836
Williams, N H 5290
Williams, P 5678
Williams, S T 6869
Williamson, D L 5742
Williamson, R L 5679
Willis, W H 6578
Willson, B W 6276
Wilmoth, J H 6449
Wilson, B J 6870
Wilson, B W 6871
Wilson, C 6277
Wilson, E O 5553
Wilson, J 6132
Wilson, L F 5680
  6279
Wilson, N 5111
Wingard, S A 6232
Winger, P V 5475
Winget, R N 5768
Winks, R 7019
Winston, P W 5681
Winter, A J 6585
Winter, P 5791
Witter, R L 6872
Wittler, R L 6873
Wittmer, W 5170
Wolf, H 5171
Wolf, J 5566
Wolf, P 6133
Wolfe, E C 6874
Wolfenbarger, D A 7215
Wolfgang, A 7357
Womack, H 6278
  7033
Wong, H R 5172
Wood, D E 6875
Wood, D L 5217
Wood, I M W 6400
Wood, S L 5682
Woodbridge, C G 5898
Woodcock, D 7416
Woodwell, G M 7125
  7126
Woody, C O 6876
Woolf, C M 5683
Worley, D E 6949
Worsham, A D 6357
Worth, C B 5188
Wostmann, B S 6935
Wright, 6134
Wright, B J 6877
Wright, J W 6279
Wright, N G 6878
Wuilleret, A 7141
Wurgler, F E 5684
Wurster, C F 7125
  7126
Wygodzinsky, P 5173
Wysong, D S 6135
  6136
Yadava, I S 6846
Yadava, R L 6165
Yakovlev, S A 7020
Yamafuji, K 5685
Yamaguti, N 5174
Yamasaki, S 6401
Yamazaki, M 5412
Yamvrias, C 5686
Yanaka, S 5425
Yaniv, Z 6879
Yankov, A 5687
Yasuo, S 6137
Yates, V J 6517
Yathom, S 6280
Yawalker, K S 5853
Yokohata, Y 5984
Yotov, L 6020
Young, D C 7386
Young, E 6880

Young, H C 6138
Young, J S 6633
Young, W A 5850
Young, W R 6143
Youngman, W H 5688
Yousuf, M 7026
Yudkin, M D 6732
Yunus, A 6281
Yurkiewicz, W J 5175
5689
Zacharia, T P 6589
Zadoks, J C 6139
Zaghloul, T M A 5773
Zaichenko, A S 6881
Zalasky, H 6140
Zaleski, K 6116
Zanetti, M 6731
Zapadnyuk, I P 6882
Zapata, S 5176
Zavortink, T J 5112
Zayed, S M A D 5690
Zdarek, J 5691
Zeeb, K 6450
Zeiders, K E 5961
Zemskaya, A A 6910
Zenner, I 6282
Zidermane, A 6543
Zilka, E 6883
Ziller, W G 6141
Zillinsky, F J 5824
Zilsparne, A 5692
Zimmerman, B 5774
Zimmerman, E C 5177
Zimmerman, W F 5310
Zimmermann, G 6727
6992
Zimowski, A 6989
Zlotorzycka, J 5693
Znidaric, D 7021
Zook, B C 6884
Zucchi, R 5578
Zuckerman, B M 6309
Zulinski, T 6885
Zumpt, I F 6886
Zurabova, E R 5605
Zurawski, H 7223
7248
Zvyagintseva, T V 5694
Zwar, J A 7321
Zwatz, B 7322
Zwolfer, H 5695

ORGANIZATIONAL INDEX

Adelaide Univ., Glen Osmond, South Australia
Dept. of Plant Pathology
5889
Agra Coll., India
Dept. of Zoology
5077
Agricultural Experiment Station, St. Paul, Minn.
5414
Agricultural Experimental Station, Baton Rouge, La.
Dept. of Veterinary Science
6541
Agricultural Research Council Unit of Insect Physiology,
Oxford, England
5456
Agricultural Research Service, Auburn, Ala.
Regional Animal Disease Lab.
6952
Agricultural Research Service, Beltsville, Md
Crops Research Div.
5859
Agricultural Research Service, Beltsville, Md.
Crops Research Div.
6310
Agricultural Research Service, Beltsville, Md.
Entomology Research Div.
5184, 5185, 6889
Agricultural Research Service, Beltsville, Md.
Plant Virology Lab.
5913
Agricultural Research Service, Beltsville, Md.
Vegetables and Ornamentals Research Branch
6051
Agricultural Research Service, Logan, Utah
Animal Disease and Parasite Research Div.
6814
Agricultural Research Service, Logan, Utah
Entomology Research Div.
5668
Agricultural Research Service, Logan, Utah
Poisonous Plant Research Lab.
6815
Agricultural Research Service, Riverside, Calif.
Entomology Research Div.
6265
Agricultural Research Service, Texas
Crops Research Div.
6331
Agricultural Research Service, Washington, D. C.
Animal Disease and Parasite Research Div.
6455
Agricultural Research Service, Washington, D. C.
Entomology Research Div.
5187, 5658
Agricultural Research Service, Washington, D. C.
Plant Pest Control Div.
5186
Alexandria University, Alexandria, Egypt
College of Agriculture; Plant Protection Dept.
7398
Allahabad Univ., India
Dept. of Zoology
4989
American Cancer Society
5906
American Cyanamid Co., Stamford, Conn.
7357
American Forestry Association, Wash., D. C.
6189
American Univ., Beirut, Lebanon
Dept. of Bacteriology and Virology
6589
Amsterdam Chemie Farmacie, Netherlands
7017
Andes Univ., Bogota, Colombia
5247
Animal Virus Research Inst., Pirbright, England
6864
Army Medical Center, Ryukyu Islands
Entomology Branch
6988
Army Medical Research and Development Command
5767
Army Medical Research and Development Command.
5181
Atomic Energy Commission
5268, 6090
Atomic Energy Commission.
5720
Attila Jozsef Univ., Hungary
Inst. for Plant Morphology
7285
Auburn Univ., Ala.
Dept. of Botany and Plant Pathology
7292
Australian National Univ., Canberra
Dept. of Zoology
6978
Banaras Hindu Univ., Varanasi, India
Dept. of Zoology
5612
Behringwerke Aktiengesellschaft, Marburg an der Lahn,
Germany
6454
Bern Univ., Switzerland
Medizinische Tierklinik
6619
Birmingham Univ., England
Dept. of Zoology and Comparative Physiology
5308
Boots Pure Drug Co. Ltd., Nottingham, England
7332
Bristol Univ., England
Dept. of Veterinary Medicine.
6796
British Columbia Univ., Vancouver
Dept. of Botany
6011
Brookhaven National Lab., Upton, N. Y.
Div. of Microbiology
6799
Bureau of Commercial Fisheries
7055
C. S. R. S.
6836
California Univ., Berkeley
Div. of Entomology
7207
California Univ., Berkeley 94720
Dept. of Nutritional Sciences
7323
California Univ., Berkely
Dept. of Entomology and Parasitology
5490
California Univ., Los Angeles
Lab. of Nuclear Medicine and Radiation Biology
5829
Cambridge Univ., England
Dept. of Animal Pathology
6664
Cambridge Univ., London, England
Dept. of Zoology
5681
Canada Dept. of Agriculture, London, Ontario
Research Inst.
5629
Canada Dept. of Agriculture, Quebec
Research Station
5465
Canada Dept. of Agriculture, Vancouver, British Columbia
Research Station
5918, 5919
Carleton Univ., Ottawa
Dept. of Biology
7087
Central Coffee Research Inst., Balehonnur, India
7283
Charles Univ., Prague, Czechoslovakia
Dept. of Entomology
5218
Chicago Univ., Ill.
Whitman Lab.
5738
Chile Univ., Santiago
Chair of Chemistry
5183
Coconut Industry Board, Kingston, Jamaica
Dept. of Research
6130
Colorada State University, Fort Collins
Cooperative Extension Service; Human Factors Research Laboratory
7419
Colorado State Univ., Experiment Station, Fort Collins
6408
Colorado State Univ., Fort Collins
6912
Colorado State Univ., Fort Collins
Dept. of Animal Science.
6797
Commercial Solvents Corp., New York, N. Y.
6447
Commonwealth Dept. of Primary Industry, Australia
7099
Commonwealth Scientific and Industrial Research Organization, Canberra, Australia
4968
Connecticut Univ., Storrs
Dept. of Animal Diseases
6506, 6789
Connecticut Univ., Storrs
Depts. of Bacteriology and Animal Diseases
6772
Consiglio Nazionale delle Ricerche, Italy
Centro di Entomologia Alpina e Forestale
5003, 5004
Cornell Univ., Ithaca, N. Y.
Dept. of Large Animal Medicine
6585
Cornell University, Ithaca
Dept. of Agronomy
5784, 5785
Cranberry Experiment Station, East Wareham, Mass.
6330
Crops Research Div., Beltsville, Md.
7275
Czechoslovak Academy of Science, Prague
Inst. of Parasitology
6674
D. S. B. Government Coll., Nainital, India
Dept. of Zoology
5039
Dartmouth Medical School, Hanover, N. H.
Dept. of Cytology
5198
Delaware Univ., Newark
Dept. of Plant Pathology
6008
Delhi Univ., India
Dept. of Botany
6082
Department of Agriculture
5346, 7278
Department of Agriculture
Agricultural Research Service
6355, 6657
Department of Agriculture, South Perth, Western Australia
Plant Pathology Branch
5911
Department of Agriculture, Stock and Fisheries of the
Territory of Papua and New Guinea
6152
Department of Crown Lands and Survey, Victoria, Australia
Vermin and Noxious Weeds Destruction Board
6313
Department of Health, Education, and Welfare
7100
Department of the Army, Frederick, Md.
6860
Department of Veterinary Research, Vom, Nigeria
5038
Dept. of Agriculture, Beltsville, Md.
Office of Information
5284
Dept. of Zoology
Makerere Coll., Uganda
5311
Deutsche Forschungsgemeinschaft, Bad Godesberg, West
Germany; Kommission zur Prufung gesundheitsschadlicher; Arbeitsstoffe
7154
Deutschen Akademie der Landwirtschaftswissenschaften,
Berlin, West Germany; Inst. fur Phytopathologie Aschersleben
6154
Dow Chemical Co., Midland, Mich.
7356
Durham Univ., England
Dept. of Botany
7225

ORGANIZATIONAL INDEX

E. I. du Pont de Nemours and Co., Wilmington, Del
6386
E. I. du Pont de Nemours and Co., Wilmington, Del.
6495
Ecole National Veterinaire d'Alfort, France
6519
Ecole Nationale Veterinaire d'Alfort, France
6692, 6728
Ecole Nationale Veterinaire de Lyon, France
6417
Ecole Nationale Veterinaire, Alfort, France
6520
Edinburgh Univ.
Dept. of Botany
7321
Edinburgh Univ., Scotland
Dept. of Forestry and Natural Resources
5206
Erlangen-Nurnberg Univ., West Germany
Inst. fur Angewandte Chemie
6576
Estacao Agronomica Nacional, Oeiras, Portugal
Departmento de Genetica
7245
Ethyl Corp., New York, N. Y.
7351
European Office of Aerospace Research
5637
Fish and Wildlife-service, Washington, D. C.
Bureau of Commercial Fisheries
7420
Fisheries Research Board of Canada, St. Andrew, New Brunswick
7111
Fisheries Research Board of Canada, St. Andrews, New Brunswick
5336
Florida Anti-Mosquito Association, 39th, Naples, Fla., 1968
5756
Florida Univ., Gainesville
Dept. of Botany
7224
Florida Univ., Gainesville
Dept. of Entomology
7280
Florida Univ., Gainesville
Dept. of Veterinary Science
6717
Florida University, Gainesville
Center for Tropical Agriculture
6305
Food and Drug Administration
7157, 7158, 7178
Food and Drug Administration, Washington, D. C.
7117, 7177
Food and Drug Administration, Washington, D.c.
Special Pharmacological Animal Lab.
7202
Forest Research Lab., Sillery, Quebec
5924
Forest Service
Rocky Mountain Forest And Range Experiment Station
5463
Forest Service, Juneau, Alaska
Northern Forest Experiment Station
6272
Forest Service, Upper Darby, Pa.
Northeastern Forest Experiment Station
7145
Fresno State Coll., Calif.
School of Graduate Studies
5567
G. A. F. Corp., New York, N. Y.
7359
Georgia Coastal Plain Experiment Station, Tifton
Dept. of Plant Pathology
6021
Georgia Univ., Athens
Cooperative Extension Service
5944
Georgia Univ., Athens
Dept. of Poultry Science
6498
High School of Agriculture, Praha, Czechoslovakia
Chair of Forest Protection and Zoology
5632
Hong Kong Univ.
6190
Hooker Chemical Corp., Niagara Falls, N. Y.
5340, 5792
Hull Univ., England
Dept. of Botany
5969
Illinois Univ., Urbana, Ill.
Dept. of Veterinary Pathology and Hygiene
6562
Imperial Coll., England
Overseas Spraying Machinery Centre
7395, 7396
Indian Agricultural Inst., New Delhi, India
Div. of Mycology and Plant Pathology
6035
Indian Agricultural Research Inst., Hyderabad
Dept. of Agronomy
6063
Indian Agricultural Research Inst., New Delhi, India
Div. of Entomology
5230
Indian Council of Medical Research
5227
Indian Veterinary Research Inst., Izatnagar
5610, 6924, 6925
Inst. for Soil Fertility (I.B.), Groningen, Netherlands
7313
Institut fur allgemeine Biologie, Vienna, Austria
5732
Institut Pasteur, Paris, France
Service de Virus
6843
Institute FOR Medical Research, Kuala Lumpur, Malaysia
5489
Institute of Chemical Technology, Prague, Czechoslovakia
Dept. of Water Technology
7076
Instituto lopez-neyra de Parasitologia
Seccion de Inmunoparasitologia
6513
Instituto de Investigacao Cientifica de Mocambique,
Lourenco Marques
5120
Instituto Superiore di Sanita, Rome, Italy
Lab. di Microbiologia
6883
Intermountain Forest and Range Experiment Station, Ogden,
Utah
5952
International Rice Research Institute, Los Banos, Apr. 1967
5973
Ivon Watkins Dow Ltd., New Plymouth, New Zealand
Technical Advisory Div.
5387
Ivon Watkins-Dow Ltd., New Plymouth, New Zealand
Technical Advisory Div.
6321, 6347, 6348
Johns Hopkins School of Hygiene, Baltimore, Md.
7014
Joint Services Electronics Programs (U. S. Army, U. S. Navy, U. S. Air Force)
5473
Justus Liebig Universitat, Giessen, West Germany
Veterinar-Pathologisches Institut
6448
Kansas Univ., Lawrence
Dept. of Microbiology
6866
Kentucky Univ., Lexington
Agricultural and Home Economics Extension Service
6203
Kibbutz Mishmar Haemek, Israel
5013
London School of Hygiene and Tropical Medicine, England
Dept. of Clinical Tropical Medicine
7146
London Univ., England
Dept of Entomology.
5287
Long Island Univ., Brooklyn, N. Y.
Dept. of Biology
5295
Madrid Univ., Spain
Facultad de Veterinaria
7194
Manitoba Univ.,
Dept. of Entomology
5458
Manitoba Univ., Winnipeg
Dept. of Entomology
5496
Manitoba Univ., Winnipeg
Dept. of Plant Science
5896
Martsynovsky Inst. of Medical Parasitology and Tropical
Medicine, USSR; Dept. of Entomology
5125
McGill Univ, Montreal, Quebec
Dept. of Entomology
5485
McGill University
MacDonald College; Dept. Of Entomology
5716
Medical Research Council of Canada
6553
Medical Research Council, Harwell, England
Radiobiological Research Unit
5717
Memphis State Univ., Tenn.
Dept. of Biology
7191
Merck and Co., Inc., Rahway, N. J.
7369
Michigan State Univ., East Lansing
Dept. of Microbiology and Public Health
5477
Ministere de l'Agriculture, Paris, France
7075
Ministry of Agriculture, Fisheries and Food, England
6225, 6901
Ministry of Scientific Research, Alexandria, Egypt
Medical Research Inst.
6710
Missouri Agricultural Experiment Station, Columbia
6857
Missouri Univ., Columbia
Dept. of Entomology
6176
Monsanto Co., St. Louis, Mo.
6433
Nagoya Univ., Japan
Lab. of Applied Entomology
5579
Nationa Center for Urban and Industrial Health
7063
National Aeronautics and Space Administration
5500
National Agricultural Advisory Service, England
Eastern Region
6286
National Cancer Inst.
6877, 6998
National Communicable Disease Center, Atlanta, Ga.
Bureau of Disease Prevention and Environmental Control
5349
National Communicable Disease Center, Atlanta, Ga.
Virology Section
6611
National Communicable Disease Center, Savannah, Ga.
Lab. Division
5764
National Inst. of Allergy And Infectious Diseases
4972, 5111, 5261, 6191
National Inst. of Health
5156, 5753

ORGANIZATIONAL INDEX

National Instit. of Health
7199
National Institute of Health
7187
National Institutes OF Health
5317, 7164
National Research Council of Canada
5872
National Science Foundation
5310, 5341, 5399, 5554, 5560, 5709, 5743, 6081, 7079, 7233, 7262
Nationwide Chemical Corp., Fort Myers, Fla.
6134
Near East Animal Health Inst., Teheran, Iran
Razi Serum and Vaccine Inst.
6754
Nepera Chemical Co., Inc., Carmel, N. Y.
7385
New South Wales Dept. of Agriculture, Sydney, Australia
Biology Branch
6029
New York State Univ., Stony Brook
Dept. of Biological Sciences
7150
North Dakota State Univ., Fargo
Dept. of Animal Science
6607
Northeastern Forest Experiment Station, New Lisbon, N. J.
7078
Northern Research Centre, Arusha, Tanzania
6036
Office of International Research
5696
Ohio Agricultural Research and Development Center
6430
Oregon State College
5815
Oxford Univ., England
Dept. of Zoology
5222
Pacific Northwest Forest and Range Experiment Station,
Portland, Oreg.
6275
Panjab Univ., Chandigarh, India
Dept. of Zoology
5229
Pennsylvania Univ., Philadelphia
Dept. of Biology
5322
Pfizer and Co., Inc., New York, N. Y.
6650
Philippines Univ., Laguna
Dept. of Agricultural Botany
6332
Phillippines Univ., Laguna
Dept. of Plant Pathology
6024
Phillips Petroleum Company
5330
Pillsbury Co., Minneapolis, Minn.
7244
Public Health Service
5212, 5552, 5683, 5706, 5929, 6074, 6491, 6823, 6976, 7276
Public Health Service
Div. of Environmental Health Sciences
7189
Public Health Service
Institutes of Child Health and Human Development; Ford Foundation
6876
Public Health Service
National Cancer Inst.
6536, 6642, 6666
Public Health Service
National Health Inst.
6817
Public Health Service
National Inst. of Health
5604, 6684
Public Health Service, Atlanta, Ga.
National Communicable Disease Center
7265
Public Health Service, Washington, D. C.
National Inst. of Neurological Diseases and Blindness
6865
Purdue Univ., Lafayette, Ind.
Dept. of Microbiology, Pathology and Public Health
6981
Research Corp., New York, N. Y.
7375
Rhodesia Univ. Coll., Salisbury
Dept. of Zoology
5542
Rhodesia Univ. Coll., Salisbury.
Dept. of Zoology
5543
Rockfeller Univ., N. Y., N. Y.
6935
Rohm and Haas Co., Philadelphia, Pa.
6323
Royal (dick) School of Veterinary Studies, Edinburgh,
Scotland; Dept. of Veterinary Surgery
6601
Royal Veterinary Coll., Stockholm, Sweden
Lab. for Electron Microscopy
7013
Rutgers Univ., New Brunswick, N. J.
Dept. of Nutrition
6502
Rutgers--The State Univ., New Brunswick, N. J.
Dept. of Entomology and Economic Zoology
5224
Saskatchewan Univ., Saskatoon
Dept. of Bacteriology
6816
Schweizerisches Tropeninstitut, Basel, Switzerland
5539
Shell Development Co., Modesto, Calif.
Agricultural Research Div.
5591
Sloan-Kettering Inst. for Cancer Research, New York, N. Y.
5742
Sojuzchimexport, Moscow, USSR
6440
Southern Forest Experiment Station
Inst. of Forest Genetics
5975
Special Virus-Leukemia Program
6746
Station Phytosanitaire, Geneva, Switzerland
5844, 6094
Stauffer Chemical Co., New York, N. Y.
5345, 6334, 7331
Stetson Univ., DeLand, Fla.
Dept. of Biology
6928
Stockholm Univ., Sweden
Div. of Ethology
6891
Suffolk County Mosquito Control Commission, Yaphank, N. Y.
5633
Sunkist Growers, Inc., Los Angeles, Calif.
Pest Control Dept.
6101, 6260, 6261, 6262, 6306, 6413
Swiss National Fund for the Advancement of Science
5749
Sydney Univ., Australia
Dept. of Veterinary Medicine
6633
Tasmanian Dept. of Agriculture, Hobart
6497
Texas A and M Univ., College Station
Texas Agricultural Experiment Station
6390
Texas Univ., Austin
7346
Texas Univ., Austin
Dept. of Zoology
5437
The Connecticut Agricultural Experiment Station, New Haven
6214
Tierarrztliche Hochschule, Sofia, Bulgaria
Katheder fur Innere Krankheiten
6586
Tierarztliche Hoch Schule Hanover, West Germany
Klinik fur Pferde
6804
Tobacco Research Station, Myrtleford, Victoria, Australia
6033
U S Dept of Agriculture
5059
U S Public Health Service
7192
U. S. Army Medical Service Corps, Ryukyu Islands
Entomology Branch
5765
U. S. Dept. of Agriculture
7023
U. S. Dept. of Agriculture, San Francisco, Calif.
Forest Service
6117
U. S. Food and Drug Administration
7106
U.s. Public Health Service
6690
United States Army Medical Research and Development Command
5748
United States Senate
Subcommittee on Reorganization amd International; Organizations
7423
Univ., of Western Ontario
Dept. of Zoology
5158
University of Agriculture, Prague, Czechoslovakia
Lab. of Applied Zoology
5068
University Of Alexandria, U.A.R.
5159
University Of California, Riverside, Calif.
Dept. Of Entomolgy; Citrus Research Center And Agricultural Experiment Station
7389
University of Chicago, Illinois
Dept. of Biochemistry
5553
University of Missouri, Columbia
Department of Horticulture
7254
University of The West Indies, Trinidad
Faculty of Agriculture
6166
University of the West Indies, Trinidad
Regional Research Centre
6352
University of Western Ontario, London, Ontario, Canada
Dept. of Zoology
5741
Upjohn Co., Kalamazoo, Mich.
6356
Uttar Pradesh Agricultural Univ., Pant Nagar
Dept. of Pathology and Hygiene
6591
Uttar Pradesh Coll. of Veterinary Science and Animal
Husbandry, Mathura, India
6775, 6776
Washington State Univ., Pullman
Dept. of Agronomy
7022
Washington State Univ., Pullman
Dept. of Entomology
5461
Waterloo Univ., Ontario
Dept. of Biology
5390, 7252
Waterloo Univ., Ontario
Dept. of Entomology
5391
West Virginia Univ. Agricultural Experiment Station,
Morgantown
5947
Western Australian Museum, Perth
6955
Western Reserve Univ., Cleveland, Ohio
Developmental Biology Center
5669
Wisconsin Univ., Madison
7362
Wisconsin Univ., Madison
Biophysics Lab.
6073

ORGANIZATIONAL INDEX

Wisconsin Univ., Madison
  Dept. of Entomology
    5347
Wisconsin Univ., Madison
  Dept. of Forestry
    7290
Wisconsin Univ., Madison
  Dept. of Veterinary Science
    6530, 6583, 6628
Wooster Coll., Ohio
  Dept. of Biology
    5519
Worcester Foundation for Experimental Biology, Shrewsbury, Mass.
    6444
World Health Organization, Geneva, Switzerland
    7216
Yale Univ., New Haven, Conn.
  Arbovirus Research Unit
    5761
Yale Univ., New Haven, Conn.
  Dept. of Biophysics
    5563

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